

CURRICULUM VITAE

BRIEF RESUME

Prof. Geer Mohammad Ishaq has been serving as a faculty in Pharmacology at the Department of Pharmaceutical Sciences, University of Kashmir over the last twenty one years. Prior to joining University of Kashmir, Prof. Geer has served as a Drug Control Officer of Drug and Food Control Organization (DFCO), J&K for a period of three years. Prof. Geer has completed his post-graduation in Pharmacology from Rajiv Gandhi University of Health Sciences (RGUHS), Karnataka with Distinction and his doctorate in the same subject from University of Kashmir. He has been instrumental in designing and starting a PG programme in Pharmacy Practice in 2009 and is presently in-charge of this PG programme offered by the University of Kashmir. Prof.



Geer has also served as Director, Centre for Career Planning and Counselling, University of Kashmir for a period of three years from 2021-2024 and as Coordinator of UGC-Human Resource Development Centre (HRDC) of the University of Kashmir for a period of five years from 2016-2021. In these capacities he has organized and conducted numerous coaching programmes for civil service and NEET aspirants, career counselling sessions for college and university students, campus recruitment drives for college and university students, faculty development programmes (orientation and refresher courses) for college and university teachers. Prof. Geer has published 51 research papers and presented 48 papers in various national and international conferences. He and his research team has won six best paper awards in various conferences and journals. He has delivered 170 extension lectures on various topics outside his department besides publishing 125 popular articles in print media. He is a peer reviewer and editorial board member of several highly reputed national and international journals and has reviewed numerous papers for the same. Prof. Geer has also been appointed as Member Expert Committee on Antibiotic Utilization under National Drug Utilization Evaluation Programme of India, by the Indian Council of Medical Research (ICMR), New Delhi. He has also been appointed as Adviser to the Price Monitoring and Resource Unit (PMRU) of the Drug and Food Control Organization, J&K with due approval of National Pharmaceutical Pricing Authority (NPPA) of India and has also been appointed as a Member of the PG Curriculum Committee of the Pharmacy Council of India, New Delhi. Prof. Geer has supervised many post-graduate and doctoral research scholars and has initiated pharmacovigilance and pharmacy practice related activities in J&K. Prof. Geer has served as member of the Institutional Ethics Committee (IEC) of SKIMS, GMC, Srinagar and RRIUM, Srinagar earlier and has been enlisted as a Peer Reviewer by the National Assessment and Accreditation Council (NAAC), Bangaluru. He has also been appointed as Nominee, CCSEA, Department of Animal Husbandry and Dairying (DAHD), Ministry of Fisheries, Animal Husbandry and Dairying (MoFAH&D), Govt. of India.

01. Name **Dr. Mohammad Ishaq Geer**
- Designation: **PROFESSOR**
- Administrative Experience: Former Director, Centre for Career Planning and Counselling (CCPC), University of Kashmir
Former Coordinator, UGC-Human Resource Development Centre, University of Kashmir
02. Address for Correspondence: Department of Pharmaceutical Sciences,
University of Kashmir,
Srinagar (J&K)-190006
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04. a) Name of the Department and University where employed: Department of Pharmaceutical Sciences,
University of Kashmir,
Srinagar-190006, (J&K)
- b) Date of Joining the University: 01.07.2002
- c) Nature of Appointment: PERMANENT (SUBSTANTIVE)
05. a) Discipline: Pharmaceutical Sciences
- b) Specializations: **Pharmacology, Pharmacy Practice**
- c) Industrial Training: At M/S- Eaton Laboratories, Srinagar for a period of two months in the Manufacture and Quality Control of Tablets, Capsules, Liquid Orals, Suspensions etc.
- d) Areas of Research Interest: Drug Utilization Evaluation Studies, Equitable Access to Quality Medicines, Pharmacovigilance, Pharmaceutical Care, Pharmaceutical Policies; Quality Control & Rational Use of Medicines; Hospital, Clinical and Community Pharmacy Practice, Universal Health Coverage; Prices, availability and affordability of medicines, Pharmaco-economics and outcomes research, PCOS, Diabetes, Diabetic Neuropathy, Diabetic Nephropathy, Diabetic Retinopathy, Thyroid Disorders, Higher education system.

06) Scholastic Record:

S. No.	Year	Examination	Division	Percent Marks	Board/University
01.	1987	Matriculation	FIRST	67 %	J&K State Board of School Education
02.	1989	Hr. Sec. - II	FIRST	69 %do.....
03.	1990	B.Sc. 1 st Yr.	FIRST	73 %	University of Kashmir
04.	1995	B.Pharm.	FIRST	66 %	Bangalore University (Al-Ameen College of Pharmacy)
05.	1999	M.Pharm. (Pharmacology)	DISTINCTION	75.6%	Rajiv Gandhi University of Health Sciences Karnataka, Bangalore
06.	2011	Ph.D. (Pharmacology)	RECEIVED EXCELLENT FEEDBACK UPON EXPERT EVALUATION		University of Kashmir, Srinagar in collaboration with SKIMS, Soura, Srinagar

07) Employment Profile/Experience:

From	To	Position Held	Organization	Department	Nature of work
01.07.1995	10.07.1997	Lecturer	Rose Polytechnic, Srinagar	Pharmacy	Teaching & Research
21.10.1999	21.06.2002	Drugs Inspector	Drug and Food Control Organization, J&K	Drugs Control	Enforcement of Drugs & Cosmetics Act, 1940 and Rules thereunder
21.06.2002	21.06.2008	Lecturer/Assistant Professor (Stage 1)	University of Kashmir	Dept. of Pharmaceutical Sciences	Teaching, Research, Development & Extension
21.06.2008	21.06.2013	Senior Assistant Professor (Stage 2)	University of Kashmir	Dept. of Pharmaceutical Sciences	Teaching, Research, Development & Extension
21.06.2013	21.06.2016	Senior Assistant Professor (Stage3)	University of Kashmir	Dept. of Pharmaceutical Sciences	Teaching, Research, Development & Extension
21.06.2016	21.06.2019	Associate Professor (Stage 4)	University of Kashmir	Dept. of Pharmaceutical Sciences	Teaching, Research, Development & Extension
21.06.2019	TILL DATE	Professor (Stage 5)	University of Kashmir	Dept. of Pharmaceutical Sciences	Teaching, Research, Development & Extension

08) Other Professional Training Courses Completed:

- Six months certificate course in computer software at Dawn Computers.
- Certificate course in Fundamentals of Internet at Al-Ameen Institute of Information Technology, Bangalore.
- Training course in Bioinformatics and Biostatistics at the Dept. of Bio-Informatics, University of Kashmir.
- Training course in Entrepreneurship Development at Regional Engineering College, Srinagar.
- Training course in Cultivation and Marketing of Medicinal and Aromatic Plants, organized by the J&K State Medicinal Plants Board at J&K Entrepreneurship Development Institute, Srinagar b/n 5th to 9th July, 2004.
- Training course in educational multimedia & e-content development at Educational Multimedia Research Centre, University of Kashmir, Srinagar.
- Training course on “Right to Information” organized by the Academic Staff College, University of Kashmir in collaboration with Dept. of Law, University of Kashmir on June 27th - 28th, 2011.
- Training course in “Career Counselling” organized by CCPC, University of Kashmir in collaboration with Tata Advanced Systems Ltd., Bangaluru on August 27-28, 2021.
- Training course of 15 credits of the International Certified Career Coach Programme (Foundation Level-I) on “Career Counselling” organized by Mindler in online mode on July 23-24, 2021.
- Two-day NAAC Assessors Orientation Programme (AOP) organized jointly by the National Assessment and Accreditation Council (NAAC) and the Central University of Kashmir, at varsity’s Tulumulla Campus on September 15-16, 2021.
- Two-day training programme for CPCSEA nominees organized by Committee for the Purpose of Supervision of Experiments on Animals (CPCSEA), Department of Animal Husbandry and Dairying (DAHD), Ministry of Fisheries, Animal Husbandry and Dairying (MoFAH&D), Govt. of India, New Delhi.

Academic Staff College General Orientation/Refresher Courses attended:

Name of the Course	Place	Duration	Sponsoring Agency
General Orientation Course	UGC-Academic Staff College, University of Kashmir	04 weeks (12.05.2005-08.06.2005)	UGC, University of Kashmir
Refresher Course in Computer Applications (interdisciplinary)	UGC-Academic Staff College, University of Kashmir	02 weeks (17.11.2006-07.12.2006)do....
Capacity building programme on multimedia and e-content development	EMMRC, University of Kashmir in collaboration with Consortium for Educational Communication, New Delhi	03 weeks (04.04.2006-27.04.2006)do....

Refresher Course in Research Methodology (Basic Sciences)	UGC-Academic Staff College, University of Kashmir	03 weeks (16.01.2012-08.02.2012)do....
Special Summer School Refresher Course (interdisciplinary)	UGC-Human Resource Development Centre, University of Kashmir	03 weeks (25.07.2015-14.08.2015)do.....

09) Distinction/Awards/Honours Received:

- i) Appointed as Director, Centre for Career Planning and Counselling, University of Kashmir on June 16, 2021.
- ii) Appointed Member-Coordinator, NAAC Peer Team by National Assessment and Accreditation (NAAC), Bangaluru for accreditation and assessment of various colleges and universities across India w.e.f. November, 2021.
- iii) Appointed Adviser, Drug Price Monitoring Committee of the Drug and Food Control Organization, J&K, duly approved by NPPA of India.
- iv) Appointed Member, PG Curriculum Committee of the Pharmacy Council of India.
- v) Appointed Nominee, CPCSEA by Committee for the Purpose of Supervision of Experiments on Animals (CPCSEA), Department of Animal Husbandry and Dairying (DAHD), Ministry of Fisheries, Animal Husbandry and Dairying (MoFAH&D), Govt. of India, New Delhi.
- vi) Co-opted as a member of Selection Committee for evaluation of proposals of institutes for empanelment under PARVAAZ Scheme by Mission Youth, JK Govt. of J&K on 20.04.2022.
- vii) Member Expert Committee for evaluation of proposals for start-up incubation and entrepreneurship development by JKSTIC, DST, J&K on 29.11.2022.
- viii) Appointed National Coordinator, J&K, APTI and also elected as State Branch President for Jammu and Kashmir, Association of Pharmaceutical Teachers of India (APTI).
- ix) Appointed Coordinator, UGC-Human Resource Development Centre, University of Kashmir in the year 2012 and 2016.
- x) Appointed as Project Coordinator, National Resource Centre, UGC-HRDC, University of Kashmir by MHRD, Govt. of India. Assisted Course Coordinator in developing MOOC in Arts and Humanities under ARPIT Programme of UGC/MHRD.
- xi) Appointed as Coordinator, Choice-based Credit System, University of Kashmir.
- xii) Appointed Member Expert Committee on Antibiotic use evaluation under National Drug Utilization Evaluation Programme of India, by the Indian Council of Medical Research (ICMR), New Delhi.
- xiii) Appointed as country-leader, India, BRICS-Medicines Alliance for the year 2013-2014.
- xiv) Appointed Joint Secretary, North Zone, Association of Pharmaceutical Teachers of India (APTI) for the period 2013-2016
- xv) Appointed Executive Committee Member, Society of Pharmacovigilance India for the period 2015-2016.
- xvi) Appointed Member, Local Organizing Committee, 16th Annual Conference of the International Society of Pharmacovigilance (ISoP) held at Agra on 17-19 Oct, 2016.

- xvii) Appointed Scientific Secretary of 2nd J&K Medical Science Congress held at SKICC Srinagar from May 10-13, 2017.
- xviii) Appointed Member, Scientific Programme Committee and Core Committee of 2nd J&K Medical Science Congress held at SKICC, Srinagar from May 10-13, 2017.
- xix) Appointed Member, Board of Studies, Islamia College of Science and Commerce for B.Sc. (Nanoscience and Nanotechnology) programme. Designed and proposed a syllabus for the same subject.
- xx) Appointed Member, Board of Studies, Islamia College of Science and Commerce for Honors Programme in Nanoscience and Nanotechnology. Designed and proposed a syllabus for the same subject.
- xxi) Nominated as Member, Editorial Board for Kashmir University Profile (2018-2019).
- xxii) Nominated as Member, Editorial Board, Journal of Integrative Medicine and Public Health to be published by the Dept. of Social and Preventive Medicine, Govt. Medical College, Srinagar.
- xxiii) Proposal on the “Strategic reforms required in our higher education system” selected among top three by the Rising Kashmir Conclave.
- xxiv) Completed M. Pharm. with Distinction from Rajiv Gandhi University of Health Sciences, Karnataka, Bangalore in the year 1999.
- xxv) Appointed as Peer Reviewer for the Indian Journal of Pharmacology published by the Indian Pharmacological Society for the period 2007-2013 and 2014-2016.
- xxvi) Appointed as Peer Reviewer for the Journal of Pharmacology and Pharmacotherapeutics, International Journal of User-Driven Healthcare, American Journal of Pharmaceutical Education and African Journal of Pharmacy and Pharmacology.
- xxvii) Awarded Grade “EXCELLENT” for teaching skills and commitment to work by the Internal Quality Assessment Cell (IQAC) of the University of Kashmir for the year 2007.
- xxviii) Several prizes won in quiz, debate and essay-writing competitions at inter-school and inter-college level.
- xxix) Appointed Member, Editorial Board, InPharm Communiqué, published by the InPharm Association of India.
- xxx) Appointed Member, Editorial Board, Indian Journal of Pharmacy and Pharmacology published by Innovative Publications India Ltd.
- xxxi) Appointed Editor, Monthly Newsletter of the Network for Rational Use of Medicines (NetRum), India. Published 14 issues of NetRUM Newsletter as Editor.
- xxxii) Received merit scholarships as travel grant from WHO-SEARO, New Delhi, International Society of Pharmacovigilance (ISOP) and University of Kashmir for attending APCNMP at Sydney, ISOP annual conference at Mexico and ICIUM at Antalya, Turkey.
- xxxiii) Served as Drug Inspector, District Doda and Drug Inspector, Headquarter, Kashmir Division, Drug and Food Control Organization, J&K for the period between 1999-2002.
- xxxiv) Serving as Teacher In-charge, M.Pharm. (Pharmacy Practice) since 2009 at the Department of Pharmaceutical Sciences, University of Kashmir.
- xxxv) Appointed Member, Scientific Programme Committee and Core Committee of 3rd J&K Medical Science Congress to be held at SKICC, Srinagar from Dec 14-15, 2019.’’
- xxxvi) Appointed Member of the Committee for NAAC recommendation review, NIRF Ranking documentation and Apprenticeship/Internship embedded degree programmes, skill-based degree programmes of the University of Kashmir during the period Sep. to Dec., 2021.

- xxxvii) Nominated as Nodal Officer, by the University of Kashmir for “University Collaboration Initiative” of the Mission Youth J&K Government by the Registrar, University of Kashmir vide his letter No. L.(Mission-Youth-Nomination/Reg/KU/21 dated 01.07.2021.
- xxxviii) Appointed Member, Board of Studies for Bachelor’s degree programme in Physiotherapy (BPT) offered by Composite Regional Centre (CRC), Bemina, Srinagar in the year 2017 and 2021 and GMC, Srinagar in the year 2021.
- xxxix) Appointed Co-Organizing Chairperson of the virtual 4th Annual Conference of MPPCOS Society held from November 20-21, 2021 in online mode.
- xl) Appointed as Member Core Committee for JK Agrimed Science Congress 2024 held from Feb., 27 to 29 at Sher-i-Kashmir University of Agricultural Sciences Kashmir (SKUAST-K).
- xli) Appointed Member, Steering Committee for the undergraduate “Design Your Degree” programme as per NEP-2020 of the University of Kashmir for the year 2024.
- xlii) Appointed Member, Research Ethics Committee of the University of Kashmir for the year 2024.
- xliii) Appointed Vice-Chancellor's Nominee for the selection of contractual lecturers for Nursing at South Campus of the University at Anantnag.
- xliv) Member, Advisory Committee for the Diabetes Educator Programme of the Directorate of Distance Learning, University of Kashmir.
- xlv) Member, Advisory Committee, Medical Research Unit (MRU) of Sher-i-Kashmir Institute of Medical Sciences, Soura, Srinagar.
- xlvi) Expert Member, Selection Committee for the selection of Pharmacovigilance Associate at the Regional Research Institute of Unani Medicine (RRIUM), Srinagar.
- xlvii) Expert Member, Selection Committee for the selection of Senior Research Fellow at the Regional Research Institute of Unani Medicine (RRIUM), Srinagar.

BEST PAPER AWARDS WON:

1. Co-authored paper entitled, "Development of an indicator-based tool for the assessment of medicines management practices of a tertiary care hospital" adjudged as best paper in the Pharmaceutical Science session of the 9th JK Science Congress held at the University of Kashmir on October 2nd, 2013.
2. Research paper entitled, "Availability and stock-outs of pediatric essential medicines across different levels of care in one district" selected for Late Smt. V. G. Yeole Memorial Award for the Best Paper in Pharmacy Practice published by the Indian Journal of Pharmacy Practice during the year 2015.
3. Received best paper award for the oral presentation entitled, "Drug utilization evaluation as a tool for promoting rational use of medicines among Kashmiri population" made during 11th J&K Science Congress held at University of Kashmir on October 14th, 2015.
4. Received best paper award for the co-authored paper entitled, "Drug utilization evaluation and patient compliance among PCOS patients of Kashmiri origin" during Annual Conference of MPPCOS Society held at SKICC, Srinagar on May 10-13, 2017.
5. Received best paper award for the co-authored paper entitled, AIM Model, a novel and effective pharmaceutical care tool to improve communication, drug use process among patients and healthcare providers" during 13th Annual Research Day of the

Health Colleges, King Khalid University, Abha, Kingdom of Saudi Arabia held on April 10, 2018.

6. Received best paper award for the co-authored paper entitled, "Assessment of drug utilization pattern of anti-diabetic drugs and associated co-morbid conditions in type 2 diabetic mellitus patients at a tertiary care hospital of Kashmir" during JK Agrimed Science Congress, 2024 held at Sher-i-Kashmir University of Agricultural Sciences, Kashmir (SKUAST-K) from Feb 27-29, 2024.

10) Academic/Professional Appointments/Responsibilities:

- Appointed Member, Institutional Ethics Committee, Govt. Medical College, Srinagar in December, 2020.
- Served as Convenor, Institutional Animal Ethics Committee, Department of Pharmaceutical Sciences, University of Kashmir, Srinagar, J&K, India.
- Serving as Member, Institutional Animal Ethics Committee, Regional Research Institute for Unani Medicine (RRIUM), Kashmir, Srinagar, J&K, India since 2013.
- Served as Member, Institutional Ethics Committee, Sher-i-Kashmir Institute of Medical Sciences (SKIMS), Soura, Srinagar, J&K, India during 2012-2015.
- Appointed Member, Institutional Ethics Committee of the Govt. Medical College, Baramulla for the period 2022-2025.
- Serving as Peer Reviewer for the prestigious Indian Journal of Pharmacology published by the Indian Pharmacological Society since 2008.
- Appointed as peer reviewer for the American Journal of Pharmaceutical Education, International Journal of User-Driven Healthcare, Indian Journal of Physiology and Pharmacology, African Journal of Pharmacy and Pharmacology and Journal of Pharmacology and Pharmacotherapeutics.
- Appointed Editor of the monthly Newsletter, Network for Rational Use of Medicines (NETRUM), India in June, 2008 and published fourteen issues of the newsletter.
- Appointed Editor of the Newsletter of UGC-Academic Staff College (Volume 2 of 2012), University of Kashmir. Also served as Editor of the progress report of twenty-three years of UGC-ASC since inception.
- Appointed Member, Editorial Board for the Inpharm Communique published by Inpharm Association of India.
- Appointed Joint Organizing Secretary of the two-day National Seminar on Recent Advances in Pharmaceutical Education and Research, (NSRAPER-2009) organized by the Dept of Pharm. Sciences, University of Kashmir on July 15-16, 2009.
- Co-organized a short-term training course on Nanoscience and Technology for college and university teachers, held at Academic Staff College, University of Kashmir on December 9-10, 2011.
- Served as Teacher-in-charge, Development, Seminars, Examinations, Scholarships, Website, Student Grievances at the Department of Pharmaceutical Sciences, University of Kashmir, Srinagar, J&K, India.
- Conducted several important examinations like B.PHARM., MBBS, BDS, BUMS, BE, University Entrance Examinations etc satisfactorily as SUPERINTENDENT in the Department of Pharmaceutical Sciences, University of Kashmir.
- Served as Member, Board of Studies, Academic Counselor, Department of Pharmaceutical Sciences by the Vice-Chancellor, University of Kashmir.

- Appointed Member, Advisory Committee, Kashmir University Guest House.
- Appointed Member, Research Ethics Committee, University of Kashmir.
- Appointed Member, Drug Verification Committee, University Health Centre, University of Kashmir.
- Appointed Member of the Committee for developing internship embedded courses at UG and PG level at the University of Kashmir.
- Appointed Consultant/Coordinator/Mentor for developing Diploma, Certificate and UG level Pharmacy Courses at S.P. College, Srinagar and other degree colleges under the hub and spoke model of the Dept. of Higher Education, J&K.
- Appointed Member, Expert Committee for drafting syllabus and devising course curriculum, design, planning and conduct of the year-long Diabetes Educator programme at Directorate of Lifelong Learning, University of Kashmir in collaboration with Dept. of Clinical Research, SKIMS, Srinagar.
- Appointed Expert-Member of the selection committee for the selection of Pharmacists/Price Monitoring Associate by National Institute of Technology (NIT), Srinagar, Central University of Kashmir (CUK), Ganderbal and Drug and Food Control Organization (DFCO), J&K.
- Appointed Member, Core Committee for the implementation of “Design Your Degree” UG programme 2024 by the University of Kashmir in accordance with National Education Policy-2020.
- Appointed Member, Committee for framing course curriculum and statutes for the Diabetes Educator Programme offered by the Directorate of Lifelong Learning, University of Kashmir in collaboration with SKIMS, Srinagar.

11) **Highlights of Important Academic Contributions:**

i) **Courses taught:**

Pharmacology, Applied Pharmacotherapeutics, Hospital and Clinical Pharmacy, Community Pharmacy, Drug Regulatory Affairs, Dispensing Pharmacy, Pharmaceutics, Pharmacy Practice, Pathophysiology, Toxicology and Health Education at under-graduate and post-graduate level courses in Pharmacy.

ii) **Laboratories Handled:**

Pharmacology, Hospital and Clinical Pharmacy, Pharmacy Practice, Dispensing Pharmacy, Pharmaceutics.

iii) **Extension Lectures Delivered:**

- (1) Following three lectures were delivered during a training course on Cultivation and Marketing of Medicinal and Aromatic Plants, organized by the J&K State Medicinal Plants Board at J&K Entrepreneurship Development Institute, Srinagar b/n 5th to 9th July, 2004.

- **Cultivation of Medicinal and Aromatic Plants - A SWOT Analysis**
- **Cultivation Package and Practices for Digitalis spp.**

➤ **Cultivation Package and Practices for Belladonna spp.**

- (2) Delivered three extension lectures on the Cultivation and Pharmacology of Medicinal Plants during the **ten-day training course** on Cultivation of Medicinal Plants organized by the **Entrepreneurship Development Cell** of the University of Kashmir b/n 22nd April to 2nd May, 2008 at the University of Kashmir, Srinagar.
- (3) Delivered a lecture on **“The importance and status of science education in the state of J&K”** during a day-long seminar organized by the Academic Staff College, University of Kashmir on March 25th, 2009.
- (4) Delivered a lecture on **“Views and suggestions regarding establishment of National Biotechnology Regulatory Authority of India”** during the consultative meet-cum-workshop of the J&K Science and Technology Department on Draft Establishment Plan for the National Biotechnology Regulatory Authority of India held in the University of Kashmir on August 4th, 2008.
- (5) Delivered a lecture on **“Nanotechnology and its applications in Novel Drug Delivery Systems”** during Refresher Course for College and University teachers in Biosciences organized by the Academic Staff College, University of Kashmir, on November 28th, 2009.
- (6) Delivered a lecture on **“Introduction to Nanotechnology - A sneak peek into the impending revolution”** during an orientation course at the Academic Staff College of the University of Kashmir on February, 10th, 2011.
- (7) Delivered a lecture on **"Signs and symptoms of various psychiatric and personality disorders"** during a refresher course at the Academic Staff College of the University of Kashmir.
- (8) Delivered a lecture on **“Drug regulatory issues in Jammu and Kashmir”** at the periodic meeting of Kashmir Academy of Private Physicians, held at Hotel Grand Mumtaz on Dec., 9th, 2010.
- (9) Delivered a lecture on **“Medico-legal provisions governing patients’ right to information”** at the two-day training programme on “Right to Information”, organized by the Academic Staff College, University of Kashmir in collaboration with the Dept. of Law, University of Kashmir on June 28th, 2011.
- (10) Delivered a lecture on **“Nanomedicine – a revolution in the offing”** at the periodic meeting of the Kashmir Academy of Private Physicians, held at Hotel Broadway on July 14th, 2011.
- (11) Delivered a powerpoint presentation on **“Contemplating comprehensive drug procurement policy for SKIMS”** at the office of Director, SKIMS in presence of Director, Dean-Medical Faculty, SKIMS and Principal, SKIMS Medical College, Srinagar.
- (12) Delivered a lecture on **“Major impediments in the quality control and rational use of medicines”** during the 56th General Orientation Course held at Academic Staff College, University of Kashmir on November, 28th, 2011.

- (13) Delivered a lecture on “**Deficiencies in the draft drug policy of J&K government**” during the 56th General Orientation Course held at Academic Staff College, University of Kashmir on November 28th, 2011.
- (14) Delivered a lecture on “**Right to information and other healthcare rights of patients**” during the 56th General Orientation Course held at Academic Staff College, University of Kashmir on December 2nd, 2011.
- (15) Delivered a lecture on “**Types and symptoms of various psychiatric and personality disorders**” during the 56th General Orientation Course held at Academic Staff College, University of Kashmir on December 24th, 2011.
- (16) Delivered a lecture on “**Review of the approved drug policy of J&K government – Strengths and Weaknesses**” during the 57th General Orientation Course held at Academic Staff College, University of Kashmir on February 13th, 2012.
- (17) Delivered a lecture on “**Medico-legal provisions governing patient’s right to information**” during short-term course on Right to Information organized by UGC-Academic Staff College, University of Kashmir on June 28th, 2012.
- (18) Delivered a lecture on “**Rational Drug Use policies of few Indian states**” during the 58th General Orientation Programme for newly appointed college and university teachers at UGC-Academic Staff College of the University of Kashmir on May 3rd, 2012.
- (19) Delivered a lecture on “**Fundamentals of Nanotechnology and its applications in drug delivery**” during the 58th General Orientation Programme for newly appointed college and university teachers at UGC-Academic Staff College of the University of Kashmir on May 12th, 2012.
- (20) Delivered a lecture on “**Emperor of all maladies – biography of cancer**” during the 59th General Orientation Course for newly appointed college and university teachers at UGC-Academic Staff College of the University of Kashmir on September 15th, 2012.
- (21) Delivered two extension lectures on “**Nanomedicine: Recent advances in disease management**” during the 60th General Orientation Course for newly appointed college and university teachers at UGC-Academic Staff College of the University of Kashmir on January 7th, 2013.
- (22) Delivered an extension lecture on “**Higher education in J&K state – issues and challenges**” during the 60th General Orientation Course for newly appointed college and university teachers at UGC-Academic Staff College of the University of Kashmir on January 15th, 2013.

- (23) Delivered an extension lecture on **“SWOT Analysis of the maiden drug policy of J&K state”** during 61st General Orientation Course for newly appointed college and university teachers at UGC-Academic Staff College of the University of Kashmir on March 7th, 2013.
- (24) Delivered an invited lecture on **"Rational drug use policies of few Indian states"** during Summer School at UGC-Academic Staff College of Guru Nanak Dev University, Amritsar on June 15th, 2013.
- (25) Delivered an invited lecture on **"Magnitude of spurious drug trade in India"** during Summer School at UGC-Academic Staff College of Guru Nanak Dev University, Amritsar on June 15th, 2013.
- (26) Delivered two invited lectures on **"Venom of spurious medicines - Lexicon, Magnitude, Detection and Control"** at UGC-Academic Staff College, University of Kashmir during 62nd General Orientation Course for college and University teachers on July 4th, 2013.
- (27) Delivered two invited lectures on **“Equitable access and appropriate use of medicines in the state of Jammu and Kashmir”** at UGC-Academic Staff College, University of Kashmir during 65th General Orientation Course for college and University teachers on August 2nd, 2014.
- (29) Delivered two invited lectures on **"J&K towards Universal Health Coverage - Prospects and Challenges"** at UGC-Academic Staff College, University of Kashmir during Summer School for college and university teachers on August 20th, 2014.
- (30) Delivered two invited lectures on **"Attainment of right to health through reliable access to essential medicines in the state of J&K"** at UGC-Academic Staff College, University of Kashmir during 66th General Orientation Course for newly appointed college and university teachers on October 15th, 2014.
- (31) Delivered an invited lecture on **"Pharmaco-metabonomics: Role in personalized medicine and pharmacovigilance"** during the international symposium on safe medicines and safe patients held at Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh during 14th Annual Conference of the Society of Pharmacovigilance India (SOPI), on December 3rd, 2014.
- (32) Delivered two invited lectures on **"Mission of promoting equitable access and rational use of medicines in J&K state"** at UGC-Academic Staff College, University of Kashmir during 67th General Orientation Course for newly appointed college and university teachers on January 31st, 2015.
- (33) Delivered two invited lectures on **"Basic Principles of Nanotechnology and Nanomedicine"** at UGC Academic Staff College, University of Kashmir during Winter School for college and University teachers on February 23rd, 2015.

- (34) Delivered an invited lecture on **"Nanopharmacology and Nanotoxicology - emerging new disciplines in drug discovery, development and research"** during a week-long workshop organized by the Department of Chemistry, Islamia College of Science and Commerce, Srinagar on February 28th, 2015.
- (35) Delivered an invited lecture on **"Generic Drug Prescribing in J&K – boon or bane?"** during annual meeting of the Kashmir Academy of Private Physicians held at Grand Mumtaz Hotel, Srinagar on April 23rd, 2015.
- (36) Delivered two invited lectures on **"Nanotechnological advances in New Drug Discovery, Design and Development"** at Academic Staff College, University of Kashmir during 68th General Orientation Course for newly appointed University and College teachers on May 9th, 2015.
- (37) Delivered an invited lecture on **"Pharmacovigilance of Complementary and Alternative Medicine"** during second national summit of the All India Unani Tibbi Congress organized by its J&K Chapter at RRIUM, Srinagar on May 12th, 2015.
- (38) Delivered an invited lecture on **"Safety Monitoring of ASU Medicines"** during 5th National Conference on "Patient Safety and Drug Regulatory Scenario in India", organized by Partnership for Safe Medicines India Initiative in collaboration with Dean, Students Welfare, University of Kashmir on May 20th, 2015.
- (39) Delivered a lead lecture on **"Safety evaluation and monitoring of Unani medicines"** during first Global Conference of Unani Medicines organized by the Directorate of Indian System of Medicine, J&K in collaboration with World Unani Foundation at SKICC, Srinagar on October 13th, 2015.
- (40) Delivered two invited lectures on **"Promoting rational use of medicines in Kashmiri population through drug utilization research"** at UGC-Human Resources Centre, University of Kashmir during 69th General Orientation Course for newly appointed college and university teachers on November 6th, 2015.
- (41) Delivered two invited lectures on **"Reliable access to affordable medicines and healthcare as a fundamental human right"** at UGC-Human Resources Centre, University of Kashmir during 70th General Orientation Course for newly appointed college and university teachers on January 12th, 2016.
- (42) Delivered two invited lectures on **"An introduction to Femtotechnology – natural successor to Nanotechnology"** at UGC-Human Resources Centre, University of Kashmir during Special winter school Refresher Course for newly appointed college and university teachers on February 16th, 2016.
- (43) Delivered an invited lecture on **"Drug utilization evaluation research for promoting rational use of medicine in Kashmiri population"** during monthly meeting of the Kashmir Academy of Private Physicians held at Hotel Aksa Mall on April 28th, 2016.

- (44) Delivered two invited lectures on **“Challenges and threats in ensuring global access to medicines”** at UGC-Human Resources Centre, University of Kashmir during 71st General Orientation Course for newly appointed college and university teachers on May 24th, 2016.
- (45) Delivered two invited lectures on **"Types, prevalence, prevention and control of the menace of spurious medicines"** at Institute of Advanced Studies on Higher Education (erstwhile College of Education), Srinagar during 72nd General Orientation Course for newly appointed Assistant Professors of Higher Education Department of J&K state on November 21st, 2016.
- (46) Delivered two invited lectures on **"Equity and social justice in medical care"** at UGC-Human Resource Development Centre, University of Kashmir on January 3rd, 2017 during 73rd General Orientation Course for newly appointed college and University teachers of J&K state.
- (47) Delivered two invited lectures on **"Psychiatric and personality disorders - types and symptoms"** at UGC-Human Resource Development Centre, University of Kashmir on January 16th, 2017 during Refresher Course on Behavioural Sciences for College and University teachers of J&K state.
- (48) Delivered two invited lectures on **"Psychiatric and Personality disorders among young adults"** at Institute of Advanced Studies on Education on February 1st, 2017 during Induction Programme for newly appointed Assistant Professors of Higher Education Department.
- (49) Delivered an invited lecture on **"Ten reforms required for achieving excellence in higher education system of J&K state"** at UGC-Human Resource Development Centre, University of Kashmir on March 8th, 2017 during Special Winter School (Refresher Course) for College and University teachers.
- (50) Delivered an invited lecture on **"Contemporary health issues confronted by women"** during International Women's Day celebration function organized by the Women's Studies Centre of the University of Kashmir on March 8th, 2017.
- (51) Delivered two invited lectures on **"Role of teachers as caregiver in Personality disorders among young adults"** at Institute of Advanced Studies on Education on March 13th, 2017 during Induction Programme for newly appointed Assistant Professors of Higher Education Department.
- (52) Delivered two invited lectures on **"Nanomedicine: Current trends and recent advances"** at Institute of Advanced Studies on Education on May 1st, 2017 during Induction Programme for newly appointed Assistant Professors of higher education department of J&K state.
- (53) Delivered a lecture on **"Refresher course on Biosciences - an introduction"** at UGC-HRDC, University of Kashmir on May 15th, 2017 during Refresher Course on Biosciences for College and University teachers.

- (54) Delivered a lecture on **"75th General Orientation Course - an introduction"** at UGC-HRDC, University of Kashmir on May 16th, 2017 during 75th GOC for College and University teachers.
- (55) Delivered a lecture on **"Role of Pharmacometabonomics in Personalized Medicine and Drug Safety"** at UGC-HRDC, University of Kashmir on June 3rd, 2017 during Refresher Course on Biosciences for College and University teachers.
- (56) Delivered two invited lectures on **"Role of teacher as a caregiver in Personality Disorders among students"** at UGC-HRDC, University of Kashmir on June 12th, 2017 during 75th GOC for College and University teachers.
- (57) Delivered a lecture on **"Social justice in healthcare: intellectual property rights versus equitable access to medicines"** at Institute of Advanced Studies in Education, Srinagar on June 29th, 2017 during Orientation Programme for newly appointed Assistant Professors belonging to Economics and Sociology streams of higher education department of J&K state.
- (58) Delivered two invited lectures on **"J&K towards Universal Health Coverage: a major challenge of change"** at UGC-HRDC, University of Kashmir on August 8th, 2017 during Special Summer School Refresher Course on "Polity, Society and Economy in J&K - Challenges of change" held from July 20th to August 9th, 2017.
- (59) Delivered an invited lecture on **"Importance of thinking, interdisciplinary approaches and social relevance in research"** at UGC-HRDC, University of Kashmir on September 19th, 2017 during week-long Research Methodology Workshop for Research Scholars of Science.
- (60) Delivered two invited lectures on **"Role of teacher as a caregiver for students with Personality Disorders"** at UGC-HRDC, University of Kashmir on October 6th, 2017 during 76th GOC for College and University teachers.
- (61) Delivered two invited lectures on **"Public good versus patents in Medicines"** and **"From Patent Protection to Patient Protection"** at UGC-HRDC, University of Kashmir on January 9th, 2018 during 77th GOC for College and University teachers.
- (62) Delivered two invited lectures on **"Draft UGC Regulations 2018 - a critical appraisal"** and **"Disparities and discrepancies in UGC Regulations"** at UGC-HRDC, University of Kashmir on March 1st, 2018 during 78th GOC for College and University teachers.
- (63) Delivered an invited lecture on **"Management of adverse drug reactions in the current national and international scenario"** during 2nd National Seminar on Clinical Pharma Practice held on S.V. College of Pharmacy, Nammakkal Dist., Tamil Nadu on June 21st, 2018.

- (63) Delivered two invited lectures on **"UGC Regulations 2018: an overview"** at UGC-HRDC, University of Kashmir on July 23rd, 2018 during 79th GOC for College and University teachers.
- (64) Delivered two invited lectures on **"Understanding and coping with personality disorders among young learners"** at UGC-HRDC, University of Kashmir on October 24th, 2018 during 80th GOC for College and University teachers.
- (65) Delivered two invited lectures on **"Medicalization of the Society and Socialization of the Medicine"** at UGC-HRDC, University of Kashmir on December 7th, 2018 during 81st GOC for College and University teachers.
- (66) Delivered two invited lectures on **"IPRs as an impediment in the execution of health as a human right"** at UGC-HRDC, University of Kashmir on December 12th, 2018 during Refresher Course on Human Rights for college and university teachers.
- (67) Delivered an invited lecture on **"Health education and patient counseling by pharmacists"** during the two-day workshop/continuing education programme for Registered Pharmacists organized by the J&K Pharmacy Council in collaboration with Pharmacy Council of India on January 19th, 2019 at Gandhi Bhawan of the University of Kashmir.
- (68) Delivered two invited lectures on **"New Challenges posed to the Academia by UGC Regulations, 2018"** at UGC-HRDC, University of Kashmir on March 25th, 2019 during 82nd General Orientation Course for College and University teachers.
- (70) Delivered an invited lecture on **"Role of a teacher as a caregiver in coping with personality disorders among young learners"** during Induction Training Programme for newly appointed teachers of college sector of J&K state conducted by the Institute of Advanced Studies in Education on June 11th, 2019.
- (71) Delivered an invited lecture on **"Menace of doping in sports"** on June 20th, 2019 during one day national level workshop on anti-doping awareness organized by the Directorate of Physical Education and Sports, University of Kashmir.
- (72) Delivered an invited lecture on **"Aim, objectives, course curriculum and design of 83rd General Orientation Course"** at UGC-HRDC, University of Kashmir on July 27th, 2019 during 83rd General Orientation Course for newly appointed College and University teachers.
- (73) Delivered an invited lecture on **"Understanding and coping with personality disorders among young learners"** during Induction Training Programme for newly appointed teachers of college sector of J&K state conducted by the Institute of Advanced Studies in Education on October 10th, 2019.
- (74) Delivered an invited lecture on **"Aims, objectives, course curriculum and design of the Refresher Course in Sciences"** at UGC-HRDC, University of Kashmir on

December 16th, 2019 during the Refresher Course in Sciences for college and university teachers of Kashmir valley.

- (75) Delivered an invited lecture on **“Aims, objectives, course curriculum and design of the Refresher Course in Gender Studies”** at UGC-HRDC, University of Kashmir on January 13th, 2020 during the Refresher Course in Gender Studies for college and university teachers of J&K.
- (74) Delivered an invited lecture on **“Aim, objectives, course curriculum and design of the Refresher Course in Human Rights”** at UGC-HRDC, University of Kashmir on January 29th, 2020 during the Refresher Course in Human Rights for college and university teachers of J&K.
- (75) Delivered two invited lectures on **“Health, Human Rights and IPRs – inextricably and inalienably interlinked”** at UGC-HRDC, University of Kashmir on February 4th, 2020 during the Refresher Course in Human Rights.
- (76) Delivered two invited lectures on **“Measures to boost research and enhance research quality in J&K”** and **“Importance of critical thinking, social relevance and interdisciplinary approaches in research”** during a workshop on research methodology conducted by Higher Education Department of the Govt. of J&K at Govt. College of Education, Canal Road, Jammu on February 18, 2020.
- (77) Delivered an invited lecture on **“Aim, objectives, course curriculum and design of the 84th General Orientation Course”** at UGC-HRDC, University of Kashmir on February 20th, 2020 during the 84th General Orientation Course for college and university teachers of J&K.
- (78) Delivered an invited lecture on **“Definition, types, methods of detection, causality assessment, reporting and management of adverse drug reactions with special reference to ASU drugs”** during a day-long awareness programme at RRIUM, Srinagar on February 26, 2020.
- (79) Delivered an invited lecture on **“Higher education in J&K: challenges and prospects”** at Govt. degree College (boys), Khanabal, Anantnag during a day-long seminar on February 29, 2020.
- (80) Delivered an invited lecture on **“Learning objectives of the course curriculum”** at Govt. Degree College (girls), Charar-e-Sharief, Budgam during a day-long seminar on March 9th, 2020.
- (81) Delivered an invited lecture on **“Learning outcomes-based curriculum framework”** at Govt. S.P. College, Srinagar during a day-long seminar on March 11th, 2020.
- (82) Delivered two invited lectures on **“Innovative teaching pedagogies for an outcome-oriented teaching-learning process”** at UGC-HRDC, University of

Kashmir during 84th General Orientation Course for Assistant Professors of colleges and universities of J&K on March 12th, 2020.

- (83) Delivered an invited online lecture on **"Need for multi-dimensional approach to tackle drug abuse in Jammu and Kashmir"** during three-day National Online Workshop on "Illicit drugs and mental health" organized by the Govt. Degree College, Bijbehara, Anantnag, J&K from June 26 to 28, 2020.
- (84) Delivered an invited online lecture on **"Balancing between IPRs and equitable access to medicines"** during an online webinar organized by Latur College of Pharmacy, Hasegaon, Maharashtra on September 5, 2020 on Google Meet platform.
- (85) Delivered an invited online lecture on **"Pharmacovigilance during COVID-19"** during an online webinar organized jointly by TMMC&RC, Moradabad and Society of Pharmacovigilance India (SOPI) on September 23, 2020 on Zoom platform.
- (86) Delivered an invited online lecture on **"Transforming global health: role of pharmacy professionals"** during an online webinar organized by Yenepoya Pharmacy College and Research Centre, Mangaluru, Karnataka on September 25, 2020 on World Pharmacist Day on Google Meet platform.
- (87) Delivered an invited online lecture on **"Role of a pharmacists in healthcare system"** during an online webinar organized by "Humble Intellectuals of Mysuru" on September 28, 2020.
- (88) Delivered an invited online lecture on **"NMDA contamination of medicines – a source of bewilderment for patients"** during an online webinar organized by "Society for Pharmaceutical Science and Research" on November 1st, 2020.
- (89) Delivered an invited talk on **"Pharmaceutical Policies in India - Balancing industrial growth with public health"** during the virtual symposium on Pharmaceutical Policy and Practice organized by ISPOR Student Educational Society, Department of Pharmacy Practice, NIPER, S.A.S Nagar, Mohali, India on January 6th, 2021.
- (90) Delivered an invited lead lecture on **"Immuno-modulatory effect of AYUSH drugs: strength of scientific evidence"** delivered on the eve of World Unani Day on February 11, 2021 at a function organized by the Directorate of Indian Systems of Medicine, Govt. of Jammu and Kashmir and chaired a scientific session.
- (91) Delivered an invited lecture on **"Health education about alcohol and drug abuse for Community Health Workers"** February 25, 2021 during a four-day training programme on Mental Health for Community Health Workers organized by the Department of Social Work, University of Kashmir from February 24 to 27, 2021.

- (92) Delivered an invited online lecture on **"Countering the rise of superbugs through antimicrobial resistance"** on February 21, 2021 during an online international webinar organized by the **Society of Pharmaceutical Sciences and Research, India** that was attended and viewed by more than 21,000 participants from more than two dozen countries of the world.
- (93) Delivered an invited online lecture on **"UGC Regulations 2018 - An Appraisal"** on March 10th, 2021 during a joint session for month long Faculty Induction Programme and two-week long **Refresher Course in Information Technology (Interdisciplinary)** organized by the UGC-HRDC, University of Kashmir in online mode from March 2 to 29, 2021 and from February 27 to March 12, 2021 respectively for college and university teachers.
- (94) Delivered an invited online lecture on **"Role of teachers in understanding and managing personality disorders among young learners"** on March 18, 2021 during the month-long Faculty Induction Programme organized by the UGC-HRDC, University of Kashmir in online mode from March 2 to 29, 2021.
- (95) Delivered an invited online lecture on **"Need for systematic interventions and multi-dimensional approaches for tackling the menace of drug abuse in J&K"** during a webinar organized by the Govt. Degree College, Anantnag on June 26, 2021 (International Day Against Drug Abuse).
- (96) Delivered an invited online lecture on **"Drug de-addiction policy and way forward"** during a webinar on the theme, **"Share facts on drugs and save lives"** on June 26, 2021, the International Day Against Drug Abuse and Illicit Trafficking 2021 organized by the Dept. of Social Work, University of Kashmir.
- (97) Delivered an invited online lecture on **"Carcinogenic impurities like NDMA detected in medicines – a source of great bewilderment for the patients"** during the Refresher Course in Science organized for college and university teachers by the UGC-Human Resource Development Centre, University of Kashmir on September 1st, 2021.
- (98) Participated in a panel discussion on **"Blended mode in pharmacy education"** organized by LearnED Conclave during India's first e-Conclave on "online learning in Pharmacy education" on September 18, 2021.
- (99) Delivered an invited lecture on **"Importance of Pharmacovigilance for Unani Medicines"** during a seminar organized by the Peripheral Pharmacovigilance Centre of the Regional Research Institute of Unani Medicine, Srinagar on September 29, 2021.
- (100) Delivered an invited online lecture on **"Envisioning and accomplishing a substantial NAAC score and grading for our Pharmacy institutions"** during the international webinar organized by the **Society for Pharmaceutical Sciences and Research, India** and attended by more than 1000 participants from 27 countries on October 31, 2021.

- (101) Delivered an invited online lecture on **“Envisioning and accomplishing a substantial NAAC score and grading for our higher education institutions”** on November 4, 2021 during the **86th Guru Dakshta Faculty Induction Programme organized by the UGC-Human Resource Development Centre, University of Kashmir** for newly appointed college and university teachers.
- (102) Delivered an invited talk organized by the Price Monitoring Resource Unit (PMRU) of the Drug and Food Control Organization, J&K on **“Issues related to pricing, affordability and availability of medicines”** on October 30, 2021 during an online webinar on **“Importance of affordability and availability of safe, quality and efficacious medicines”**.
- (103) Delivered an invited talk on **“Nutritional Metabonomics – a novel approach to promote personalized nutrition and prevent disease”** on November 8, 2021 during the **2nd International Conference on Advances in Biopolymers-2021 and Workshop on Fermented Food and Gut Health**, organized by the Department of Food Sciences and Technology, University of Kashmir from November 8-9, 2021.
- (104) Delivered an invited talk on **“Roadmap for the implementation of National Education Policy – 2020: From Vision to Action”** at Sri Pratap College, Cluster University, Srinagar on December 14, 2021 during the one-day workshop on **“Implementation of NEP 2020 in higher education”**.
- (105) Delivered an invited talk on **“Socialization of Medicine”** during ClinMed Pharma Conclave 2021 organized by ClinMed Research Solutions, Bangalore on December 19, 2021.
- (106) Moderated a panel discussion on **“Better Public Health through Pharmacovigilance”** during Vice-Chancellor’s Conclave organized by IES Institute of Pharmacy, IES University, Bhopal on December 18, 2021.
- (107) Delivered an invited talk on **“Achieving health as a human right through socialization of medicine”** during two-week long Refresher Course in Human Rights organized by the UGC-HRDC, University of Kashmir on January 3, 2022.
- (108) Delivered an invited talk on **“Roadmap for the implementation of National Education Policy – 2020: Preparing Institutional Development Plans (IDPs)”** during month long **87th Guru Dakshta Faculty Induction Programme** organized by the UGC-Human Resource Development Centre (HRDC), University of Kashmir on January 29, 2022.
- (109) Delivered an invited talk on **“Achieving Universal Health Coverage through Socialization of Medicine in India”** on February 3, 2022 during the week-long Faculty Development Programme on **“Recent Trends in Pharmaceutical Sciences”** organized by the Yenepoya Pharmacy College and Research Centre, Mangalore, Karnataka.

- (110) Delivered an invited talk on **“Importance of critical thinking, social relevance and interdisciplinary approaches in research”** during two-week long interdisciplinary Refresher Course on Information Technology, organized by UGC-Human Resource Development Centre (HRDC), University of Kashmir on February 28, 2022.
- (111) Delivered a lead lecture on **“Improving immunity (Quwwat-e-Mudafe’at) with Unani Medicines, Diet and Nutrition”** during Unani Day 2022 and International Conference on “Diet and nutrition in Unani Medicine for good health and well-being” organized by CCRUM and RRIUM, Srinagar at SKICC, Srinagar on March 11, 2022.
- (112) Delivered an invited talk on **“Issues related to PMRU, Pricing, Affordability and Availability of Medicine”** on March 14, 2022 at IIIM, Srinagar during the day-long training programme for Assistant Drug Controllers and Drug Control Officers of Kashmir division, organized by Deputy Controller, Drug and Food Control Organization, J&K.
- (113) Delivered an invited talk on **“Recent advances in Clinical Pharmacy Practice and Research”** during two-day virtual international conference on “Clinical Pharmacy Practice and Research 2022”, organized by the Department of Pharmacy Practice, School of Pharmaceutical Sciences, VELS Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai on March 18, 2022.
- (114) Delivered an invited talk on **“Establishing career planning and development as an academic discipline”** during an awareness cum brainstorming workshop on “Formulation of comprehensive career indexing tool”, organized by the Innovation-Incubation and Entrepreneurship Development Centre (IIEDC), National Institute of Technology (NIT), Srinagar on March 19, 2022.
- (115) Delivered an invited talk on **“Enhancing and assessing societal impact and relevance of research”** during the three-day long workshop on Research Methodology organized by the Department of Management Studies of South Campus of the University of Kashmir from March 28 to 30, 2022.
- (116) Delivered an invited talk on **“Equity and social justice in healthcare”** to the trainees of 39th IAS Coaching Programme at the Centre for Career Planning and Counselling (CCPC), University of Kashmir on March 29, 2022.
- (117) Delivered an invited talk on **“Getting going with research in colleges in light of NEP-2020”** at Islamia College of Science and Commerce, Srinagar on June 3rd, 2022 as part of their first interdisciplinary science colloquium for students.
- (118) Delivered an invited talk on **“Implementation of NEP-2020 with special reference to teacher education”** at the Institute of Advanced Studies in Education (IASE), Srinagar as part of their week-long extension series lectures on NEP implementation on June 14, 2022.

- (119) Delivered an online invited talk on **“Importance of goal-setting in life and career”** at Govt. Girls Higher Secondary School, Tangdhar, Kupwara, organized by Sir Syed Educational Trust, North Kashmir Aligs on June 16, 2022.
- (120) Delivered an invited talk on **“Multidisciplinary and holistic education in light of NEP-2020”** at Govt. College for Women, M.A. Road, Srinagar during two-day National Conference on “NEP-2020: Preparedness and implementation” organized by Higher Education Department of the Govt. of Jammu and Kashmir on June 27-28, 2022.
- (121) Delivered an invited talk on **“PMRU: Need, relevance and its future”** during a workshop on “Availability and affordability of medicines for all” organized by the Price Monitoring Resource Unit of the Drug and Food Control Organization of Jammu and Kashmir at the auditorium of Govt. Medical College, Srinagar on July 4, 2022.
- (122) Delivered an invited talk on **“Pharmaceutical and Nutritional Metabonomics: A novel approach to promote personalized healthcare and prevent disease”** in online mode during 4th International Conference on “Digital healthcare in post-covid era”, organized by the G.D. Goenka University, Gurugram, Delhi as part of Azadi ka Amrit Mahotsav celebrations on August 22-23, 2022.
- (123) Delivered an invited talk on **“Challenges and reforms required for institutional autonomy in light of NEP-2020”** during two-day National Conference on “Institutional Autonomy in light of NEP-2020: Challenges and Reforms” organized by the Govt. Degree College, Baramulla on August 24-25, 2022.
- (124) Delivered a welcome address on the valedictory function of **“Pharmacy Jagrukta Yatra”** of Team Pharma Lok India on August 25, 2022 on the 51st death Anniversary of Prof. M. L. Shroff, popularly known as the Father of Pharmacy Education in India. Function was held in the Department of Pharmaceutical Sciences, University of Kashmir and presided over by the Dean, School of Applied Sciences and Technology, University of Kashmir.
- (125) Delivered a welcome address as Organizing Chairman of the **“Three-day Mentoring Workshop on Studying Abroad”**, organized by the Centre for Career Planning and Counselling (CCPC) in collaboration with Project Eduaccess on August 29-31, 2022, outlining the achievements, performance, progress and future plans of CCPC, University of Kashmir.
- (126) Delivered a speech as “Guest of Honour and Mentor” during **“The Pharma Guru Felicitation Ceremony”** organized by Pharma Lok India to award meritorious Pharmacy Teachers of India on the occasion of Teachers’ Day Celebrations on September 5, 2022.
- (127) Delivered a speech as Chairperson on **“Gender and Research”** during a technical session of two-day National Conference on “Changing dimensions of scholarly

communication and role of libraries to attain knowledge society” organized by the Department of Library and Information Sciences of the University of Kashmir on September 6-7, 2022.

- (128) Delivered a speech as Special Guest during a day-long National Conference on **“Good Clinical Practices (GCPs) for Clinical Investigators”**, jointly organized by the Department of Biotechnology, Central University of Kashmir in collaboration with Indian Pharmacological Society (IPS) at its Tulmulla campus on September 12, 2022.
- (129) Delivered a speech as Guest of Honour on **“Pharmacy: United in action for a healthier world”** during World Pharmacists Day celebrations of 2022, organized by VELS, School of Pharmaceutical Sciences, VISTAS, Pallavaram, Chennai on September 23, 2022.
- (130) Delivered an invited talk on **“Career Planning and Counselling in Pharmacy”** organized by **Pharma Lok India** on the occasion of **World Pharmacists Day** on September 25, 2022.
- (131) Delivered an invited talk on **“History, evolution and impact of intellectual property rights on access to medicines in India”** during a National Seminar on **“Intellectual Property Rights and Public Health Research: Way Forward in Unani Medicine”** organized by the Central Council for Research in Unani Medicine (CCRIUM), Ministry of AYUSH, Govt. of India, in collaboration with Regional Research Institute of Unani Medicine (RRIUM), Srinagar, J&K on October 3rd, 2022.
- (132) Delivered an online talk on **“Psychiatric and personality disorders”** for the students of College of Nursing of the South Campus of the University of Kashmir on October 11, 2022.
- (133) Delivered a talk on **“Pharmacology of Anti-Psychotic Drugs”** for the students of College of Nursing of the South Campus of the University of Kashmir on October 28, 2022.
- (134) Delivered an invited talk on **“Pricing, Affordability and Access to Medicines with special reference to Drug Prices Control Orders”** at the Department of Pharmaceutical Sciences, University of Kashmir on November 1, 2022.
- (135) Delivered an invited talk on **“Achieving and sustaining institutional autonomy in colleges under National Education Policy -2020”** during a webinar organized by the UGC-Human Resource Development Centre, University of Kashmir on October 28, 2022 for college and university teachers.
- (136) Delivered an invited talk on **“India's strides towards enhancing access to medicines and healthcare”** during 61st National Pharmacy Week celebrations of Western Regional Centre of the Association of Community Pharmacists of India (WRC-ACPI) on November 26, 2022.

- (137) Delivered an invited talk on **“National Education Policy 2020: Its implications on Engineering and Technology”** during first Techfest Roshnaas of the Institute of Technology, Zakura at Convocation Complex of the University of Kashmir on December 13, 2022.
- (138) Delivered an invited talk on **“Roadmap for the implementation of NEP-2020 in Jammu and Kashmir”** during the Refresher Course in Sciences of the UGC-HRDC, University of Kashmir on December 13, 2022.
- (139) Delivered an invited talk on **“Striking a balance between health as a human right and intellectual property rights for achieving SDG of Universal Health Coverage (UHC)”** during Guru Dakshita Faculty Induction Programme of UGC-Human Resource Development Centre, University of Kashmir on January 20, 2023 for newly appointed Assistant Professors of various colleges and universities.
- (140) Co-chaired a session on **“Role of ICH in globalization of Clinical Research”** on April 15, 2023 during 2nd Medical Writing, Clinical Research and Pharmacovigilance Conference 2023 (MCPCON 2023), organized by ClinMed Research Solutions, India in collaboration with International Federation for Medical Therapy Management (IFMTM) and Indika AI, India on April 15, 2023.
- (141) Acted as a panelist during Online Panel Discussion “Samvad-Episode-20” on **“National Education Policy 2020 and its impact on Pharmacy Education in India”** organized by Pharmalok India on May 6, 2023.
- (142) Acted as a panelist during online panel discussion on **“Professor of Practice Appointment by UGC as per New Education Policy 2020”**, organized by ClinMed Research Solutions, Bangalore in collaboration with ARC Net India on May 31, 2023.
- (143) Delivered an invited talk on **“NEP-2020: Implications on technology”** during day-long workshop on four year undergraduate curriculum framework under NEP-2020 organized by the Department of Computer Sciences, University of Kashmir on June 12, 2023 at EMMRC Auditorium.
- (144) Delivered an invited talk on **“Multiple dimensions of drug abuse”** during a day-long youth convention against drug abuse organized by CAUSE in collaboration with Dean of Students Welfare at National Institute of Technology (NIT), Srinagar on June 26, 2023 on the International Day Against Drug Abuse.
- (145) Delivered an online talk on **“Third anniversary of National Education Policy: Accomplishments and Challenges”** under the aegis of IQAC, ISF College of Pharmacy, Moga on August 1, 2023.
- (146) Delivered an online talk on **“Multiple dimensions of drug abuse”** under the auspices of “Pharma ki Paathshala”, organized by Pharma Lok on August 20, 2023.

- (147) Delivered an invited talk on **“IPR and start-up ecosystem in Unani healthcare”** during the day-long seminar on **“Design thinking, innovation and entrepreneurship development in Unani healthcare”** organized by the Regional Research Institute of Unani Medicine (RRIUM), Srinagar on September 1, 2023.
- (148) Delivered an invited talk on **“Social transformation envisaged under National Education Policy 2020”** during two-day long seminar organized by the Department of Sociology, University of Kashmir on September 6, 2023.
- (149) Delivered an invited talk on **“Roadmap for the implementation of National Education Policy 2020: From vision to Action”** on September during 9th Faculty Induction Programme of UGC-HRDC, Devi Ahilya Vishwa Vidhyalaya, Indore for college and university teachers.
- (150) Delivered an expert talk on **“Pharmacovigilance: Need and Methods”** as part of 3rd National Pharmacovigilance Celebrations for UG and PG students of the Department of Pharmaceutical Sciences, University of Kashmir on September 18, 2023 at Biotechnology auditorium.
- (151) Delivered an expert talk on **“Pharmacovigilance of Unani Medicines”** as part of 3rd National Pharmacovigilance Week celebrations for Unani physicians of Regional Research Institute of Unani Medicine (RRIUM), Srinagar on September 21, 2023.
- (152) Delivered an expert talk on **“Emerging role of a pharmacist in twenty first century”** during World Pharmacists Day celebration seminar organized by the Department of Pharmaceutical Sciences, University of Kashmir on September 25, 2023 at Ibn-e-Khaldun Auditorium of the University of Kashmir.
- (153) Delivered an online invited talk on **“Implementation and impact of NEP-2020 on Pharmaceutical Sciences”** during a webinar organized by NIMS Institute of Pharmacy, Jaipur on November 22, 2023 as part of National Pharmacy Week celebrations on Google Meet Platform.
- (154) Delivered an invited talk on **“Emerging role of a Pharmacy Practitioner in twenty first century”** during Second National Pharmacy Summit, 2023 organized by Pharma Lok at Hotel Lemon Tree, New Delhi on November 26, 2023.
- (155) Delivered an invited talk on **“Career options and job opportunities for UG and PG students of Unani Medicine”** on December 12, 2023 during an orientation programme organized by the Regional Research Institute of Unani Medicine (RRIUM), Srinagar.
- (156) Delivered an invited talk on **“Pharmacovigilance of Complementary and Alternative Medicines: Navigating safety to natural remedies”** during an online webinar on “Emerging Trends in Pharmacovigilance and Clinical Trials” organized by Aman Pharmacy College, Dholakhera, Rajasthan on December 26, 2023.

- (157) Delivered an invited online talk on **“Fulfilling our dream of Viksit Bharat by the year 2047”** during a webinar series entitled, “Convergence 360: Viksit Bharat@2047” organized by Govt. Degree College (Autonomous), Baramulla on December 28, 2023.
- (158) Delivered an invited online talk on **“Role of youth in accomplishing the mission of Viksit Bharat @ 2047”** during 9th Karyakaushalam webinar organized by APTI Maharashtra state in collaboration with APTI Jammu and Kashmir as part of celebration of National Youth Day on January 12, 2024.
- (159) Delivered an invited online talk on **“MyBharat-ViksitBharat@2047. By the Youth, For the Youth”** during a webinar organized by the Indira Gandhi National Open University, Regional Centre, Srinagar as part of National Youth Day celebrations of 2024 on January 12, 2024.
- (160) Delivered an invited online talk on **“Understanding the importance of NAAC Accreditation for colleges of the UT of Jammu and Kashmir”** during a webinar organized by the Government Degree College, Kulgam, J&K on January 27, 2024.
- (161) Delivered an invited online talk on **“Health as a human right”** during a Refresher Course on Human Rights (Multidisciplinary) organized by the UGC-Human Resource Development Centre, University of Kashmir on January 31st, 2024.
- (162) Delivered an invited online talk on **“Emerging frontiers and careers in Pharmaceutical Sciences”** during a webinar organized by DRD College of Pharmacy, Kathua, Jammu on February 2nd, 2024.
- (163) Delivered an invited talk on **“Challenges and prospects in pharmacovigilance of Unani medicines”** during a seminar cum awareness programme on “Pharmacovigilance of ASU and H Drugs”, organized by the Regional Research Institute of Unani Medicine (RRIUM), Srinagar on March 7, 2024.

iv) Moderated international level e-discussions on following professional topics at NetRUM platform that had more than 425 members worldwide:

- | | |
|---|------------------------|
| a) The menace of spurious drugs in India | - June 23-29, 2008 |
| b) Need for regional, state-specific medicine policies | - Oct. 19-24, 2008 |
| c) PharmD. Course in India–Prospects & Constraints | – Dec. 4-9, 2008 |
| d) Does combination HRT safety offer any safety? | - June 03 - 08, 2009 |
| e) Challenges in health before the new govt. in India | – July 16–20, 2009 |
| f) Measures required to boost ADR reporting in Indian hospitals | – Nov. 16 -21, 2009 |
| g) Was Swine flu pandemic biggest medical hoax of the decade | – Feb., 2010. |
| h) What does RTI mean to the patients? | – June 30-July 6, 2011 |

v) **E-contents and multimedia learning objects produced/Video Lectures/Interviews recorded for public telecast over television and social media channels:**

- a) Produced one multimedia e-content titled, “**How does a tablet work?**” during a three-week long capacity building programme held at EMMRC, University of Kashmir between April 4-27, 2006
- b) Produced two multimedia e-learning objects titled, “**Cold cream versus Vanishing cream**” and “**Dispersible tablets and effervescent granules**” during a three-week long capacity building programme held at EMMRC, University of Kashmir between April 4-27, 2006
- c) Recorded a video lecture on the topic, “**Pathophysiology of Hypertension**” at EMMRC, University of Kashmir in November, 2009.
- d) Recorded a video lecture on the topic, “**Pathophysiology of Peptic Ulcer**” at EMMRC, University of Kashmir in December, 2009.
- e) Recorded three video lectures on the topic “**Basic Mechanisms of Drug Action**” at EMMRC, University of Kashmir in January, 2010.
- f) Recorded a **live session each for Doordarshan Kendra Srinagar and Radio Kashmir Srinagar** (Good Morning J&K and Radio Counsellor) for wider dissemination of information regarding drug related issues.
- g) Appeared in an interview on **Pharma Lok YouTube channel** discussing various issues concerning Pharmacy Profession in India with Dr. Parjanya Shukla under the series, “**Glory of the Pharma Profession and Idols**” (Episode 20) on July 10, 2021.
- h) Appeared in an interview on **Pen'd Online** alongwith legendary **Dr. Ghulam Qadir Allaqband** discussing various issues concerning “**Risking human lives: menace of spurious and substandard drugs in Kashmir**” on September 11, 2021.
- i) Appeared in an interview on a programme of **Doordarshan Srinagar, “Halaat-e-Hazira**” talking about career counselling, placements and coaching activities of CCPC, University of Kashmir on September 23, 2021.
- j) Appeared in an interview on weekly magazine, **Kashmir Life** discussing various issues concerning **Pharmacy Profession in Jammu and Kashmir** with its Editor-in-Chief, Masood Hussain on **World Pharmacists Day on September 25, 2021.**

vi) **Total number of Conferences/ Workshops/ Training Courses/ Seminars attended:**

i) International	-	13
ii) National	-	38
TOTAL	-	56

vii) **Total number of Papers/Book Chapters/Abstracts Published:**

i) International Journals	-	14
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ii) National Journals	-	42
iii) Popular Articles	-	125
iv) No. of Abstracts	-	53
iv) No. of book chapters	-	03

viii) Total number of Papers Presented/Invited Lectures Delivered:

i) International Conf./Workshop-		13
ii) National Conf./Workshop	-	38
iii) Invited Lectures Delivered	-	162
TOTAL	-	213

12) Developmental Work Done/Contribution to the Body Corporate of the University of Kashmir:

- a) Drafted guidelines for the formulation of a **New Drug Policy** for the state of J&K and forwarded same through Vice-Chancellor, University of Kashmir to the Hon'ble Chief Minister and the Minister for Health and Family Welfare, J&K Govt. vide no. F1(VC-KU)05 dated 24.01.2005 for implementation by the state govt.
- b) Drafted proposal for the **creation of 90 posts of Drug Inspectors** in the state of J&K on behalf of J&K Pharmacy Graduates Association which was endorsed by the Controller, Drug and Food Control Organization, J&K and subsequently accepted by the Ministry of Health and F.W., J&K Govt. Recruitment against 72 posts of Drug Inspectors has already been made by SSRB in the year 2009.
- c) Drafted a detailed **proposal on behalf of Civil Society Kashmir for the establishment of an independent Drug Testing Laboratory** for all government hospitals of the J&K state on request of the Commissioner-Secretary, Health and Family Welfare and submitted the same to Minister of Medical Education, J&K state on September 1st, 2012.
- d) Drafted a detailed **proposal on behalf of Civil Society Forum Kashmir for "Drug abuse control, de-addiction and rehabilitation programme of the J&K state"** and presented the same to the Minister of Health and Medical Education, J&K state on October 28th, 2017 at Drug De-addiction Centre, SMHS Hospital, Srinagar.
- e) In compliance with the directions issued by Hon'ble Vice-Chancellor, K.U., played lead role in association with HOD, Pharm. Sciences in securing **J&K Pharmacy Council approval** to the B.Pharm. degree course offered by the Dept. of Pharm. Sciences, K.U.
- f) Played lead role in devising **10+2+4 scheme for B.Pharm.** degree course that has commenced from the academic session 2006.
- g) Played key role in devising **syllabus, scheme** and structure for starting **M.Pharm. degree** course proposed in five major disciplines of Pharmaceutical Sciences, introduced from the academic session 2009.

- h) Proposed introduction and designed course of M.Pharm. in **Pharmacy Practice** specialization. At present single-handedly teaching, managing and handling the course for the last five years.
- i) Played key role in drafting **separate statutes for undergoing doctorate** in various specializations of Pharmaceutical Sciences in the University of Kashmir (not adopted by the university).
- j) Played key role in preparing documents required for securing **AICTE approval** to the B.Pharm. course offered by the Dept. of Pharm. Sciences, University of Kashmir.
- k) Played key role in preparing documents required for the grant of approval to the B.Pharm. degree course by the **Pharmacy Council of India** under section 14 of the Pharmacy Act of 1948 (approval not granted by the Council due to non-applicability of Pharmacy Act, 1948 to the Jammu and Kashmir state).
- l) Compiled, designed and developed the **UG Prospectus** for B.Pharm degree programme for the years 2005, 2006, 2007.
- m) Compiled and consolidated the **departmental profile** for uploading over University website for the period 2005-2009 and 2013-2016.
- n) Prepared documents every year for **AICTE renewal**, submission of compliance report and mandatory disclosure form to AICTE b/n 2005-2010.
- o) Framed detailed proposal for the constitution of a **separate Faculty of Pharmaceutical Sciences** in the University of Kashmir (not approved by the University).
- p) Framed proposal for the **expansion of teaching and non-teaching staff** of the Department of Pharmaceutical Sciences in accordance with AICTE guidelines.
- q) In association with HOD, Pharmaceutical Sciences, drafted proposal for the financial assistance under **UGC innovative programmes** scheme for starting Master's degree programme in five different specializations of Pharmaceutical Sciences. Proposal was subsequently accepted by the UGC and grants to the tune of Rs. 80 lakhs were sanctioned for the programme.
- r) Reviewed and revised **Draft Biotechnology Policy for the state** of J&K sent by the Dept of Science and Technology, J&K Govt.
- s) Drafted a comprehensive **hospital drug procurement policy for SKIMS** and presented it to Director, SKIMS at his office on August 12, 2011.
- t) Revised **Draft Drug Policy of J&K govt., 2009** and suggested several changes that were duly incorporated in a meeting with Commissioner-Secretary Health and other senior functionaries of health dept of the J&K govt.
- u) Co-organized a **short-term training programme in Nanoscience and Technology** for college and university teachers in collaboration with NIT, Srinagar at Academic Staff College, University of Kashmir on December 9-10, 2011.
- v) Served as **Joint Organizing Secretary** for the two-day **National Seminar on "Recent Advances in Pharmaceutical Education and Research"** organized by the Department of Pharmaceutical Sciences, University of Kashmir on July 15 & 16, 2009 and compiled final recommendations of the deliberations for consideration of the government quarters.
- w) Presented a detailed proposal on "**Strategic Reforms Required in Our University Education System – Need for a Paradigm Shift**", to Vice-Chancellor, Registrar, Dean Academics, University of Kashmir to bring about some positive change in terms of innovation, diversification, augmentation, integration, extension, accreditation, modernization, harmonization, orientation and consolidation of our education system.

- x) Assisted Director, Academic Staff College, University of Kashmir in **preparing a progress report of 23 years of its existence and in bringing out the very maiden issue of its biannual newsletter.**
- y) Assisted Director, ASC-UOK in preparing documentation for the **NAAC PEER TEAM** assessment visit during February 15-17, 2012, by written orders of the Vice-Chancellor, University of Kashmir.
- z) Delivered a **powerpoint presentation before NAAC PEER TEAM** during their three day long assessment of the UGC-Academic Staff College of the University of Kashmir on February 15th, 2012. Presentation covered various academic activities, courses conducted, achievements, constraints, thrust areas, participant responses and innovations adopted by the UGC Academic Staff College over the past 23 years of its existence.
- aa) Assisted Director, Academic Staff College, University of Kashmir in preparing a comprehensive **proposal for the upgradation of infrastructure, manpower, facilities of UGC-Academic Staff College**, University of Kashmir.
- bb) On behalf of UGC-HRDC, University of Kashmir made a **powerpoint presentation at the Expert Review Committee meeting held at UGC Head Office**, New Delhi on October 12th, 2017.
- cc) Delivered a **powerpoint presentation before NAAC PEER TEAM** during their three-day long visit to the University of Kashmir on May 2-5, 2020. Presentation covered various academic activities, courses conducted, achievements, constraints, thrust areas, participant responses and innovations adopted by the UGC Academic Staff College over the past five years.
- dd) Designed and proposed a syllabus for newly introduced subject of Nanoscience and Nanotechnology at Islamia College of Science and Commerce, Srinagar.
- ee) On behalf of UGC-HRDC, University of Kashmir made **an online powerpoint presentation before the UGC Expert Committee convened to assess the performance of the Centre** for the period 2015-2020, held on August 9, 2020.
- ff) Gave suggestions on **“Reforms required in school education in J&K”** to Hon’ble Lieutenant Governor of Jammu and Kashmir, Sh. Manoj Sinha that were duly acknowledge by him in his 6th episode of his monthly radio/TV programme, **“Awam Ki Awaz”** on September 19, 2021.
- gg) Gave suggestions on **“Promotion on innovations among youth of J&K”** to Hon’ble Lieutenant Governor of Jammu and Kashmir, Sh. Manoj Sinha for his 9th and 10th episodes of **“Awam ki Awaz”** programme.
- hh) Gave suggestions to Hon’ble Vice-Chancellor of the Cluster University of Srinagar regarding **“Roadmap for the implementation of National Education Policy – 2020”** in the constituent colleges of the Cluster University of Srinagar on December 14, 2021.

13) Thesis/project reports written:

- a) Written M.Pharm. thesis entitled, “Cytogenetic evaluation of the essential oil of Cymbopogon citratus using mouse bone-marrow test system” and submitted same to Rajiv Gandhi University of Health Sciences Karnataka, Bangalore for the award of M.Pharm. degree in Pharmacology.

- b) Written Ph.D. thesis entitled, “Prospective Adverse Drug Reaction Monitoring Studies in Kashmiri Patients” and submitted same to the University of Kashmir for award of Ph.D. degree in Pharmacy (Pharmacology).
- c) Written a detailed report of the research project entitled, “Baseline evaluation of access to medicines in the state of Jammu and Kashmir” and submitted same to the Public Health Foundation of India (PHFI), New Delhi that had provided financial assistance to the tune of Rs. 5.88 lacs for the study.
- d) Written a detailed project report entitled, “Intensive hospital based adverse drug reaction monitoring studies in Kashmiri Population” and submitted same to the University Grants Commission, New Delhi that had provided financial assistance to the tune of Rs. 1.85 lacs for the study.
- e) Written a detailed report entitled, “Need for fresh policy initiatives and novel approached in the formulation of medicines policies for various Indian states” and submitted the same to WHO-SEARO, New Delhi that had provided financial assistance to the tune of Rs. 1.65 lacs for presenting the study during Asia-Pacific Conference on National Medicines Policies (APCNMP) held at Sydney, Australia on May 26-29, 2012.
- f) Written a detailed report entitled, “Improvements in drug policy of Indian state of J&K through persistent advocacy and logical interventions by Civil Society Forum” and submitted same to the International Society of Pharmacovigilance (ISOP) that had provided financial assistance to the tune of Rs. 1.95 lacs for presenting the study during 12th annual conference of the International Society of Pharmacovigilance (ISOP), held at Cancun, Mexico during October 30th to November 2nd, 2012.

14) Ph.D. Theses works evaluated/adjudicated:

Adjudicated following Ph.D. theses for Osmania University, Hyderabad and SKIMS, Srinagar, J&K

- i. Aflatoxin Producing Potentials of Selected Aspergillus Fungi in Liquid and Solid Culture Media: Assessment of Hemolytic Activity
- ii. Elucidating the Antiproliferative Properties of Benzothiazolo-Quinazoline Congeners in Cancer Cells
- iii. Pattern of oxidative stress and sub-inflammation among hyperandrogenimic and insulin resistant PCOS women and its correlation with WNT3 gene expression
- iv. Studies on Evaluation of Anticancer and Antimicrobial Properties of the Synthetic Cecropin Class peptides
- v. Biogenic Synthesis of Silver Nano Particles from Lepidium Sativum Seeds (Garden Cress) and its Pharmacological Applications

15) Important Scientific Achievements:

In light of the unprecedented threat posed by genotoxic agents like mutagens and clastogens

existing in the environment, present in human diet and those produced endogenously in humans that have been causing deleterious heritable changes without showing any immediate toxic effects, applicant has in three separate studies established the anticlastogenic effects of essential oil of *Cymbopogon citratus* and extracts of *Ocimum sanctum* and *Rosmarinus officinalis* in-vivo in Swiss albino-mice using mouse bone-marrow Micronucleus Test and Chromosome Aberration Test as parameters for anticlastogenic activity. Besides, applicant has for the first time studied and reported the hypotensive effect of aqueous extract of *Embllica officinalis* on mean arterial blood pressure of experimental dogs.

Completed work on the doctoral research project entitled, “Prospective adverse drug reaction monitoring studies in Kashmiri patients” which is the first of its kind in the entire state of J&K since no such initiatives have so far been taken by any section of the medical or para-medical fraternity within the state. Therefore, such type of research in the state assumes pioneering and path-breaking significance. During the project Adverse drug reaction monitoring was undertaken on 5482 patients of Kashmiri origin presenting to IPD, OPD and emergency departments of SKIMS, Srinagar.

Supervised a research project entitled, “Design, implementation and evaluation of pharmaceutical care services in patients of respiratory medicine at a tertiary care hospital” in collaboration with SKIMS, Srinagar. This project is also first of its kind in the entire state of J&K aimed at changing the focus and attention of qualified pharmacists from bench side to bed side, from product to patient and provide state-of-art services to patients in respect of patient information and counseling, taking care of all their medication related needs and problems.

Supervised doctoral research project entitled, “Design and development of comprehensive medicines management policy framework for tertiary care hospitals” that included situation analysis of medicines management practices at tertiary care hospitals of the region, development of SOPs for selection, quantification, procurement, storage, distribution and use of medicines at tertiary care hospitals and development of comprehensive policy framework for the same. Recommendations of this research work shall pave way for scientific and systematic management of medicines at tertiary care hospitals that in turn shall ensure their availability throughout the year and thereby enhance access of patients to quality medicines.

16) Details of Membership of Professional Bodies/Societies/Associations:

- i) Member, International Society of Pharmacovigilance
- ii) Life Member, Indian Pharmacological Society
- iii) Member, Executive Council, Society of Pharmacovigilance, India
- iv) Life Member, Society of Pharmacovigilance, India
- v) Life Member, Association of Pharmaceutical Teachers of India
- vi) Joint Secretary, North Zone, Association of Pharmaceutical Teachers of India
- vii) General Secretary, APTI, J&K State branch
- viii) Life Member, Kashmir University Teachers’ Association
- ix) Member, Executive Committee, Kashmir University Teachers Association

- x) Life Member, Kashmir University Alumni Association
- xi) Life Member, Al-Ameen College Alumni Association
- xii) Member, Indian Pharmaceutical Association
- xiii) Member, Canadian Society of Pharmaceutical Sciences
- xiv) Member, Network for the Rational Use of Medicines (NetRUM), India
- xv) Member, Indpharm, an e-networking group of Indian Pharmacologists.

17) Details of Popular/Professional Articles Published:

Published following popular articles in leading regional English Dailies on professional topics relating to Drug Usage, Drug Policy, Patient Healthcare, Cultivation of Medicinal Plants in Kashmir etc.

1. PHARMACY CAREERS (Daily Greater Kashmir dt. 01.10.95)
2. DRUGS OF KASHMIRI ORIGIN (GK dt. 17.03.96)
3. HOW DOES A TABLET WORK (GK dt. 04.07.96)
4. PATIENT'S RESPONSE TO PRESCRIBED MEDICINES (GK dt 21.01.97)
5. NEED TO REVAMP DRUG REGULATORY AFFAIRS OF THE J&K STATE (GK dt 01.02.97)
6. DRUG REGULATORY AFFAIRS (Daily Kashmir Images dt. 15.05.1997)
7. SOME BITTER PILLS FOR DOCTORS (GK dt 11.11.97)
8. HOSPITAL PHARMACY IN TWENTY FIRST CENTURY (GK dt. 28.04.98)
9. POOR QUALITY OF DRUGS AND DRUG SERVICES (Kashmir Times dt. 28.01.02)
10. MASS RESENTMENT ON QUALITY OF DRUGS (Weekly Prachand dt. 20.04.2002)
11. LIFELINE PROFESSION LIFELESS MOVES (GK dt. 25.03.2003)
12. DRUGS: QUESTION OF LIFE AND DEATH (GK dt. 03.03.2004)
13. DILREZ - A HEART RENDING TALE (GK dt. 30.06.2004)
14. DRUG PRICES AND THE PATENTS AMENDMENT BILL 2004? (GK dt. 19TH & 20TH Dec., 2004)
15. JAMMU AND KASHMIR - A STATE SANS DRUG POLICY (GK dt. Jan 9th & 10th, 2005)
16. VAT: WHAT'S THE CONTROVERSY ALL ABOUT? (GK dt. Feb., 14th, 2005)
17. GOVT. PHARMCISTS' AGITATION - ARE THEIR DEMANDS JUSTIFIED? (GK dt. March 3rd, 2005)
18. THIS IS NEITHER FAIR NOR ACCEPTABLE (GK dt. March 30th, 2005)
19. FROM PHYSICIAN TO PHARMACIST - NEED FOR PATIENT COUNSELLING (GK dt. 19th & 20th Sep., 2005)
20. CONTROLLING THE QUALITY OF DRUGS (GK dt. 28th & 29th Sep., 2005)
21. THE IMPORTANCE OF BEING A CONSUMER (GK dt. 29th Oct., 2005)
22. QUAKE PROOF IMPOSSIBLE, BUT QUAKE RESISTANT POSSIBLE (GK dt. 11th & 12th Nov., 2005)
23. FREE MEDICINES FOR THE POOR (GK dt. 29th Jan., 2008)
24. NEW NATIONAL PHARMA POLICY (GK dt. 14th Feb., 2008)

25. TIME TO FRAME A DRUG POLICY IN THE J&K STATE (GK dt. 27th Feb., 2008)
26. DRUG CONTROL ADMINISTRATION OF THE STATE (GK)
27. CULTIVATION OF MEDICINAL PLANTS IN J&K - PROSPECTS AND CONSTRAINTS (GK)
28. THE SCOURGE OF SPURIOUS DRUGS - A BIG CHALLENGE TO OUR HEALTHCARE & DRUG CONTROL SYSTEM (GK)
29. CHANGING DYNAMICS IN HIGHER EDUCATION - NEED FOR QUALITY CONTROL (GK dt. November 11th, 2008)
30. NEED TO REVAMP DRUG AND HEALTHCARE DELIVERY SYSTEM IN THE STATE (GK dt. July 27th, 2009)
31. FLAWS IN DRAFT DRUG POLICY OF J&K GOVT. (GK dt. October 2nd, 2011)
32. CURRICULAR INNOVATION IN HIGHER EDUCATION (GK dt. December 30th, 2011)
33. DRUG POLICY OF J&K (Daily Rising Kashmir dated January 15, 2012)
34. INSTITUTIONAL MANAGEMENT IN HIGHER EDUCATION (GK dt. Feb. 3rd, 2012).
35. ARCHAIC LEARNING (Weekly Kashmir Life dated February 19th, 2012)
36. PROS AND CONS OF J&K DRUG POLICY (GK dt. February 27th, 2012)
37. GENERIC DRUGS SHOULD BE PROMOTED (Daily Rising Kashmir dt. APRIL 11th, 2012)
38. PRESCRIBER-MANUFACTURER NEXUS IS DEEP-ROOTED (Daily Rising Kashmir dt. APRIL 12th, 2012)
39. IN THE LAND OF MAYANS (Weekly Kashmir Life dated November 19th, 2012)
40. DRUG POLICY IS NOT ANTI-PEOPLE (Daily Rising Kashmir dt. April 2nd, 2013)
41. DRUG POLICY IS PRO-PATIENT (Daily Greater Kashmir dt. April 2nd, 2013)
42. CURBING THE MENACE OF SPURIOUS MEDICINES (Daily Greater Kashmir dt. April 11th, 2013)
43. SPURIOUS DRUG DEBACLE (Weekly Kashmir Life dt. April 29th, 2013)
44. TOWARDS A DRUG FREE SOCIETY (Daily Rising Kashmir dt. June 25th, 2013)
45. ORIENTATION PROGRAMME ON PLANNING AND MANAGEMENT IN HIGHER EDUCATIONAL INSTITUTIONS (Daily Greater Kashmir dt. July 8th, 2013)
46. FATEFUL NIGHT THAT DROWNED MY CITY (Daily Rising Kashmir dt. Sep. 20th, 2014)
47. BEST PRACTICES IN PHARMACEUTICAL PROCUREMENT (Daily Greater Kashmir dt.)
48. GENERIC DRUG PRESCRIBING IN J&K - BOON OR BANE? (Daily Rising Kashmir dt. April 11th, 2015).
49. GENERIC DRUG PRESCRIBING - A STEP TOWARDS UNIVERSAL HEALTH COVERAGE (Daily Greater Kashmir dt. April 15th, 2015).
50. QUANTITATIVE ASSESSMENT OF TEACHERS PERFORMANCE -PART I (Daily Rising Kashmir dt. September 18th, 2015)
51. QUANTITATIVE ASSESSMENT OF TEACHERS PERFORMANCE - PART II (Daily Rising Kashmir dt. September 19th, 2015).

52. THIRD AMENDMENT OF UGC REGULATIONS,2010: REGULATIONS NEED TO BE OVERHAULED-I (Daily Rising Kashmir dt. May 31st, 2016).
53. THIRD AMENDMENT OF UGC REGULATIONS, 2010: REGULATIONS NEED TO BE OVERHAULED-II (Daily Rising Kashmir dt. June 1st, 2016).
54. TEACHING THE TEACHERS - GENERAL ORIENTATION PROGRAMME FOR NEWLY APPOINTED TEACHERS OF HIGHER EDUCATION SECTOR (Daily Greater Kashmir dt. January 16th 2017)
55. CURRICULAR INNOVATION IN HIGHER EDUCATION (Weekly Kashmir Pen dated January 19th, 2017)
56. JKMSCL: WAY FORWARD (Daily Greater Kashmir dt. February 7th, 2017)
57. TEN STRATEGIC REFORMS REQUIRED IN HIGHER EDUCATION SYSTEM OF OUR STATE (Weekly Kashmir Pen dt. Feb., 9th, 2017)
58. GENERICS FOR GREATER AFFORDABILITY OF MEDICINES (Weekly Kashmir Pen dated March 16, 2017).
59. DRUG ABUSE SCENARIO IN KASHMIR (Weekly Kashmir Pen dated March 2nd, 2017).
60. PHARMACEUTICAL CARE: EMERGING NEW ROLE FOR A CLINICAL PHARMACIST (Daily Greater Kashmir dt. April 4th, 2017).
61. YOUR PHARMACIST AT YOUR SERVICE: WORLD PHARMACISTS DAY 2017 (Daily Greater Kashmir dt. September 26th, 2017).
62. DON'T IGNORE THE FACTS: RESEARCH IN COLLEGES (Daily Greater Kashmir dated March 26, 2018).
63. QUESTIONS AND ANSWERS REGARDING GENERIC DRUG USE (Weekly Kashmir Pen dated April 5, 2018).
64. ACADEMIC ACCOUNTABILITY OF TEACHERS (Daily Greater Kashmir dated April 22nd, 2018).
65. CONSUMERS OF MEDICINES: KNOW YOUR RIGHTS (Daily Rising Kashmir dated June 2nd, 2018).
66. BEFORE WE GO GREEN: KASHMIR UNIVERSITY NEEDS TO HAVE A COMPREHENSIVE POLICY TO MAKE A CARBON-FREE, GREEN CAMPUS (Greater Kashmir dated May 20, 2019).
67. BUILDING PROFESSIONAL CAPACITIES: PROCEEDINGS OF THE REFRESHER COURSE IN SCIENCES (Daily Greater Kashmir dated January 5th, 2020).
68. MEASURES TO BOOST BIOMEDICAL RESEARCH IN J&K (Daily Greater Kashmir dated January 12th, 2020).
69. FOR A BETTER CAMPUS - IMPORTANCE AND ROLE OF TEACHER ASSOCIATIONS IN HIGHER EDUCATION INSTITUTIONS (Daily Greater Kashmir dated January 20th, 2020).
70. PROFESSIONAL CLINICAL PHARMACY SERVICES (Daily Greater Kashmir dated January 25th, 2020).
71. MAKING UNIVERSAL HEALTH COVERAGE A REALITY IN J&K (Daily Greater Kashmir dated February 4th, 2020).
72. PATIENTS NEED COUNSELING, INFORMATION AND EDUCATION (Daily Greater Kashmir dated February 20th, 2020).

73. HALF-BAKED UGC REGULATIONS PART-I (Daily Greater Kashmir dated March 1st, 2020).
74. HALF-BAKED UGC REGULATIONS PART-II (Daily Greater Kashmir dated March 2nd, 2020).
75. COVID-19: CLARION CALL FOR THE GLOBAL LEADERS TO COLLABORATE (Daily Greater Kashmir dated April 4th, 2020)
76. INTEGRATED ACADEMIC RESPONSE TO COVID-19 CRISIS (Daily Greater Kashmir dated April 14th, 2020)
77. EXPLORING THE INTERFACE (Daily Greater Kashmir dated May 16th, 2020)
78. NEW AGE LEADERSHIP (Daily Greater Kashmir dated May 27th, 2020)
79. HAZARDS OF MASS PROMOTIONS (Daily Greater Kashmir dated June 14th, 2020)
80. AN ODE TO A DEAR FRIEND (Daily Rising Kashmir dated June 14th, 2020)
81. MEDIOCRITY IS A MENACE (Daily Greater Kashmir dated June 28th, 2020)
82. TOXICITY AT WORK PLACES (Daily GK dated August 15, 2020)
83. OUR FRAYING SOCIAL FABRIC: TIME TO INTROSPECT (Daily Greater Kashmir dated September 1, 2020)
84. TRANSFORMING STUDENT-TEACHER RELATIONSHIP AMID COVID TIMES (Daily Greater Kashmir dated September 5, 2020)
85. NDMA IMPURITY IN MEDICINES: A SOURCE OF BEWILDERMENT FOR THE PATIENTS (Daily Greater Kashmir dated September 25, 2020).
86. INTRODUCE PROFESSIONAL CLINICAL PHARMACY (Daily Rising Kashmir dated September 25, 2020)
87. REDUCING PILL BURDEN OF PATIENTS (Daily Greater Kashmir dated December 16, 2020)
88. INNOVATING SCIENCE AND TECHNOLOGY EDUCATION (Daily Greater Kashmir dated January 25, 2021).
89. SCIENTIFIC PROGRESS IS THE HALLMARK OF A DYNAMIC SOCIETY (Daily Greater Kashmir dated February 11, 2021).
90. RISE OF THE SUPERBUGS (Daily Greater Kashmir dated March 3, 2021)
91. NEED FOR FACULTY INDUCTION PROGRAMMES (Daily Greater Kashmir dated April 26, 2021)
92. SOCIALIZATION OF MEDICINE-I (Daily Greater Kashmir dated May 21, 2021)
93. SOCIALIZATION OF MEDICINE-II (Daily Greater Kashmir dated May 22, 2021)
94. SOCIALIZATION OF MEDICINE-III: Health and equity (Daily Greater Kashmir dated May 29, 2021)
95. SOCIALIZATION OF MEDICINE-IV: Accomplishing the task (Daily Greater Kashmir dated May 30, 2021)
96. POPULARIZATION OF KNOWLEDGE AND RESEARCH (Daily Greater Kashmir dated June 10, 2021)
97. COUNTERING THE MENACE OF SUBSTANCE ABUSE; A SYSTEMATIC APPROACH (Daily Greater Kashmir dated June 26, 2021)

98. SELF-ACTUALIZATION THROUGH CAREER PLANNING AND COUNSELLING (Daily Greater Kashmir dated July 26, 2021)
99. ENHANCING YOUTH EMPLOYABILITY THROUGH CSR INITIATIVES (Daily Greater Kashmir dated February 27, 2022).
100. CAREER DEVELOPMENT AS AN ACADEMIC DISCIPLINE (Daily Greater Kashmir dated April 8, 2022)
101. SOCIETAL IMPACT AND RELEVANCE OF RESEARCH (Daily Greater Kashmir dated April 22, 2022)
102. IDP: FIRST STEP TOWARDS IMPLEMENTATION OF NEP-2020 (Daily Greater Kashmir dated May 15, 2022)
103. CAREER GUIDANCE IS EMERGING AS A FULL-FLEDGED SCIENCE (Daily Rising Kashmir dated May 30, 2022)
104. AB-PMJAY: A GAME CHANGER IN HEALTHCARE (Daily Greater Kashmir dated June 6, 2022)
105. SETTING AND ACHIEVING GOALS IN CAREER AND LIFE (Daily Greater Kashmir dated June 18, 2022)
106. PROVIDE PSYCHOLOGICAL COUNSELLING TO STUDENTS (Daily Greater Kashmir dated June 26, 2022)
107. UNIFYING KNOWLEDGE THROUGH MULTI-DISCIPLINARY AND HOLISTIC EDUCATION (Daily Greater Kashmir dated July 15, 2022)
108. NIRF RANKING: NEED FOR INTEGRATION OF INSTITUTIONAL ASSESSMENT AND ACCREDITATION SYSTEMS (Daily Greater Kashmir dated July 18, 2022)
109. REIGNITE THE SPARK OF KNOWLEDGE SEEKING AMONG STUDENTS (Daily Greater Kashmir dated September 5, 2022)
110. CHALLENGES AND REFORMS REQUIRED FOR INSTITUTIONAL AUTONOMY IN LIGHT OF NEP-2020 (Daily Northlines, Jammu dated September 17, 2022)
111. PHARMACY: UNITED IN ACTION FOR A HEALTHIER WORLD (Daily Greater Kashmir dated September 26, 2022)
112. GK LOUNGE: TALKING ABOUT THE PROGRAMMES OF THE CENTRE FOR CAREER PLANNING AND COUNSELLING (CCPC), UNIVERSITY OF KASHMIR (Daily Greater Kashmir dated December 6, 2022).
113. NEP-2020: WHAT DOES IT MEAN FOR THE STUDENTS? PART-I (Daily Greater Kashmir dated January 24, 2023)
114. NEP-2020: WHAT DOES IT MEAN FOR THE STUDENTS? PART-II (Daily Greater Kashmir dated January 25, 2023)
115. INDIA'S G20 PRESIDENCY: POTENTIAL THEMATIC AREAS (Daily Greater Kashmir dated February 3, 2023)
116. IMPART VALUE-BASED EDUCATION (Greater Kashmir dated April 11, 2023)
117. PREPARING YOUTH FOR THE CORPORATE WORLD (Daily Greater Kashmir dated May 2, 2023).
118. PROFESSORS OF PRACTICE (Daily Greater Kashmir dated June 6, 2023)
119. MULTIPLE DIMENSIONS OF DRUG ABUSE - SOCIOLOGICAL DIMENSIONS (Daily Greater Kashmir dated July 14, 2023)

120. MULTIPLE DIMENSIONS OF DRUG ABUSE - PSYCHOLOGICAL DIMENSIONS (Daily Greater Kashmir dated July 21, 2023)
121. MULTIPLE DIMENSIONS OF DRUG ABUSE - BIOLOGICAL AND MEDICAL DIMENSIONS (Daily Greater Kashmir dated July 28, 2023)
122. THREE YEARS OF NEP-2020: ACCOMPLISHMENTS IN HIGHER EDUCATION (Daily Greater Kashmir dated August 7, 2023)
123. MULTIPLE DIMENSIONS OF DRUG ABUSE - ECONOMIC AND GEOGRAPHIC DIMENSIONS (Daily Greater Kashmir dated August 11, 2023)
124. MULTIPLE DIMENSIONS OF DRUG ABUSE - ADMINISTRATIVE AND REGULATORY DIMENSIONS (Daily Greater Kashmir dated August 18, 2023)
125. NEED FOR A RESEARCH CONSORTIUM IN J&K (Daily Greater Kashmir dated August 25, 2023)

18) Details of Papers Published in National/International Journals:

1. Meera S., Geer M. I., Feroz A., Anees A. K. "Need to modify operational procedures of hospital pharmacist". Indian Journal of Hospital Pharmacy 1999;3(6):223-226.
2. Geer M. I., Shah M. Y., Tanki S.A. "Cancer Chemoprevention through Natural Antimutagenic Agents". JK- Practitioner 2003;10(2):101-06.
3. Geer M. I., Shah M. Y., Koul P.A., Tanki S.A. "Adverse Drug Reaction Monitoring with a Kashmiri Perspective" JK- Practitioner 2004;11(2):85-87.
4. Geer M. Ishaq. "Major impediments in the quality control and rational use of drugs" Pharma Times 2004;36(6): 31-32.
5. Geer M. I., Tanki S.A., Koul P.A., Shah M. Y. Pharmacovigilance at SKIMS, Srinagar (J&K)-A case study. Journal of Pharmacovigilance and Drug Safety 2005;2(1):1-5.
6. Geer M. I., Zia U.A., Dilawer B., Moinuddin G., Anees A.K., Kshama D. Hypotensive potential of aqueous extract of Emblica officinalis on anaesthetized dogs. JK-Practitioner 2005; 12(4): 213-215.
7. Geer M. I. Drug regulations awaiting enforcement in J&K state. JK-Practitioner 2006;14(4):251-253.
8. Geer M. I., Shah M. Y. "National Drug Policy and Quality Control of Drugs". Pharma Times 2007;39(5): 20-22.
9. Geer M. I. "New National Pharmaceutical Policy on Cards". Pharma Trade News 2008;4(22):1-2.
10. Tasaduq H., Azira Z., Malik M., Geer M. I. "Comparative prescribing frequencies of unopposed and combination hormone replacement therapies in three districts of Kashmir province". Journal of Pharmacovigilance and Drug Safety 2008;5(1):137-141.
11. Geer M. I., Shah M. Y. Guiding Principles for the formulation of a Drug Policy in the state of J&K. Journal of Pharmacovigilance and Drug Safety 2009;6(1):22-26.
12. Geer, M. I. Mushrooming of medical stores in J&K state – reasons and solutions. Physicians Academy 2010; 4(7); 75-76.
13. Geer, M. I. Deficiencies in the draft Drug Policy of J&K government. Physicians Academy 2011; 5(2): 16-19.

14. Geer, M. I., Mir J.I., Koul P. A. Optimizing Clinical Outcomes through Pharmaceutical Care. *Physicians Academy* 2011;5(9): 117-121.
15. Geer M.I., Tasaduq H., Mir J.I., Mohsin B.M. Risk-benefit analysis of combination versus unopposed HRT in post-menopausal women. *International Journal of User-driven Health* 2011;1(4): 61-76.
16. Geer M.I. Deficiencies in the draft drug policy of J&K government. *Physicians Academy* 2011; 5(2): 16-19.
17. Geer M.I. Improvements in drug policy of Indian state of J&K through persistent advocacy and logical interventions by Civil Society Forum. *Drug Saf* 2012; 35(10): 938.ABSTRACT [Impact Factor = 3.4]
18. Iqbal M.J., Geer M.I., Koul P.A. Identification and resolution of drug-related problems in respiratory medicine patients at a tertiary care hospital. *Drug Saf* 2012;35 (10): 941. ABSTRACT [Impact Factor = 3.4]
19. Geer M.I., Koul P, Tanki S.A., Shah M. Y. Frequency, types, severity, preventability and costs of adverse drug reactions at a tertiary care hospital over a 9-month period. *Drug Saf* 2012; 35 (10): 934. ABSTRACT [Impact Factor = 3.4]
20. Geer M.I. Magnitude of spurious drug trade in J&K – Mountain or a molehill? *Physicians Academy* 2012; 6(1):2-9.
21. Geer M.I. Approved drug policy of J&K government – A Review. *Physicians Academy* 2012;6(2): 27-37.
22. Geer M.I. Generic Drug Prescribing in J&K – boon or bane? *Physicians Academy* 2012; 6(5): 82-85.
23. Carapinha J., Provin M.F., Pinheiro R., Ziganshina L., Khaziakhmetova V.N., Chandy S.J., Ishaq G.M., Sun J., Zhang L., Suleman F. and Pharasi B. Introduction to the new column of the BRICS Medicines Alliance. *Journal of Evidence-based Medicine* 2013; 6(1): 2-3.
24. Geer M.I., Koul P.A., Tanki S.A., Shah M.Y. Frequency, types, severity, preventability and costs of adverse drug reactions at a tertiary care hospital. *Jour of Pharmacol and Toxicol Methods* 2016; 81: 323-334. [Thompson Reuter Impact Factor = 2.37]
25. Iqbal MJ, Geer MI, Dar PA. Availability and stock-outs of pediatric essential medicines across different levels of care in one district. *Ind Journ Pharm Practice* 2015;8(4);171-76.
26. Iqbal MJ, Geer MI, Dar PA. Indicator based assessment of medicine storage and inventory management practices in various public sector hospitals of district Srinagar. *Intern Arch Biomed Clin Res* 2015;1(2);8-15.
27. Mir AN, Geer MI. Off-label use of medicines in children. *Intern Journ Pharm Sc Res* 2016;7(5);120-28.
28. Iqbal MJ, Geer MI, Dar PA. Indicator based assessment of medicine procurement practices in various public sector hospitals of district Srinagar. *Intern Arch Biomed Clin Res* 2016;2(2);18-24. Impact Factor(2015):2.86(IBM),1.756(I2OR)
29. Iqbal MJ, Geer MI. Knowledge, attitude and perception of healthcare providers at internal medicine ward of a tertiary care hospital towards pharmaceutical care. *Intern Journ Pharm Sci Res* 2017;8(2);831-837. (Scimago SJR Impact Factor = 0.49)

30. Iqbal MJ, Geer MI, Dar PA. Development of an indicator-based tool for the assessment of medicines selection practices in various public sector hospitals. *Intern Journ Pharm and Pharm Sc* 2016;8(11);205-208. (Projected Impact Factor = 1.11)
31. Iqbal MJ, Geer MI, Dar PA. Medicines Management in Hospitals: A supply chain perspective. *Sys Rev Pharm* 2017;8(1);80-85. (Scimago SJR Impact Factor = 0.14)
32. Geer MI, Amin S, Akhtar Z. Upsurge of renewed interest in the use of HRT among post-menopausal women in the light of revised global consensus statement. *Physicians Academy* 2017;11(3):19-24.
33. Geer MI. Time to evolve Universal Health Coverage policy framework for the state of Jammu and Kashmir. *Physicians Academy* 2017;11(10); 101-05.
34. Iqbal MJ, Geer MI, Dar PA. Evaluation of Medicine Forecasting and Quantification Practices in various public sector hospitals using indicator based assessment tool. *Journ Applied Pharm Sc* 2017 (Accepted for publication).
35. Geer MI. Averting Antibiotic Apocalypse in J&K state. *Physicians Academy* 2017; 11(12): 124-25.
36. Maqbool M, Gani I, Khan M, Geer MI. Hemovigilance and blood safety - a review. *Intern Journ Pharm Biol Arch* 2018; 9(3): 122-27.
37. Maqbool M, Geer MI. Recent promising advances in the development of antimicrobial agents - a review. *Journ Drug Deliv Therap* 2018; 8(5): 82-86.
38. Maqbool M, Geer MI. New antimicrobial agents - a review. *Intern Journ Pharm Biol Sc* 2018; 8(3): 352-59.
39. Rashid R, Maqbool M, Jan A, Geer MI. Role of adipokines and free fatty acids in insulin resistance - a review. *Intern Journ Adv Res Sc Eng* 2018;07(04): 2115-23.
40. Maqbool M, Gani I, Geer MI. Polycystic ovarian Syndrome - a multifaceted disease. *Intern Journ Pharm Sc & Res* 2019; 10(3): 1072-1079.
41. Maqbool M, Dar MA, Rasool S, Bhat AU, Geer MI. Drug safety and Pharmacovigilance: An overview. *Journal of Drug Delivery & Therapeutics* 2019; 9(2-s):543-548.
42. Ganie MA, Sahar T, Rashid A, Wani IA, Nisar S, Sathyapalan T, Ramakrishnan L, Parvez T, Geer MI. Comparative evaluation of biomarkers of inflammation among Indian women with polycystic ovary syndrome (PCOS) consuming vegetarian vs. non-vegetarian diet. *Frontiers in Endocrinology* 2019; 10: 699. DOI: 10.3399/fendo.2019.00699.
43. Maqbool M, Dar MA, Rasool S, Gani I, Geer MI. Universal Health Coverage Policy and Practice. *Research Journal of Pharmacy and Technology* 2019;12(8):4045-4051.
44. Shafiq R, Geer MI. Coverage, utilization and impact of Ayushman Bharat Scheme on access to medicines in India. *Aushadh Sandesh*. Vol. IV, April, 2022, pp. 2-4.
45. Mir JI, Geer MI, Assiri AA. Connecting Pharmacists and Other Health Care Providers (HCPs) towards Drug Therapy Optimization: A Pharmaceutical Care Approach. *International Journal of Clinical Practice* 2023: Article ID 3336736, 7 pages <https://doi.org/10.1155/2023/3336736>.
46. Bahri P, Bowring G, Edwards BD, Anton C, Aronson JK, Geer MI. Communicating for the Safe Use of Medicines: Progress and Directions for the 2020s Promoted by the Special Interest Group of the International Society of Pharmacovigilance. *Drug Safety* 2023; 46:517–532. <https://doi.org/10.1007/s40264-023-01285-5>.

47. Ganie MA, Rashid A, Baba MS, Zargar MA, Wani IA, Douhath S, Sriwastava M, Geer MI et al. Pre-polycystic ovary syndrome and polymenorrhoea as a new facet of polycystic ovary syndrome (PCOS): Evidence from a single centre dataset. *Clinical Endocrinology* 2023;99:566–578. DOI; <https://doi.org/10.1111/cen.14964>

19) BOOK CHAPTERS WRITTEN:

1. Written a book chapter on "The importance and status of Science education in the state of Jammu and Kashmir" in the book on "Higher Education in India - problems and prospects", Vol. 4, 2011, pp. 235-242, published by UGC Academic Staff College, University of Kashmir, Chief Editor, Prof. Mehraj-ud-Din, Dean, Faculty of Law, University of Kashmir (ISBN: 978-93-82288-17-6).
2. Written a book chapter (GM Ishaq, PT Hussain, MJ Iqbal, MB Mushtaq. Chapter 73, Page 1424-1440) on "Risk-benefit analysis and rational use of Hormone Replacement Therapy in post-menopausal women" in the book entitled "Bio-informatics - Concepts, Methodologies, Tools and Applications", Edited by Hershey PA and published by IGI-Global. (2013) DOI 10.4018/978-1-4666-3604-0.CH073.
3. Written a book chapter on “Stakeholders in pharmaceutical policy development” for the book “Pharmacovigilance and Regulations” published by IntechOpen publishers in October, 2022.
4. Written a book chapter on “Inter-relationship between polycystic ovary syndrome and metabolic syndrome” for the book “Metabolic Syndrome – From mechanisms to interventions” Edited by Satinath Mukhopadhyay and Sunetra Mondal, Elsevier Academic Press, 2024. Authors: Mohd Ashraf Ganie, Abid Rasool, Tajali Sahar and Mohammad Ishaq Geer.

20) DETAILS OF RESEARCH STUDIES CONDUCTED/SUPERVISED:

S. No.	Year and Class	Name of the Student	Title of the Research Project	Present Status
01.	2011 (Ph.D.)	M. I. Geer	Prospective adverse drug reaction monitoring studies in Kashmiri population (funded by University Grants Commission, New Delhi)	Completed (Awarded)
02.	2014 (Funded Research Project)	M. I. Geer	Baseline evaluation of access to medicines across eight Indian states (funded by Public Health Foundation of India (PHFI), New Delhi)	Completed (Submitted to funding agency)

03.	2012 (M.Pharm.)	Mir Javid Iqbal	Design, implementation and evaluation of Pharmaceutical Care services to patients of respiratory medicine	Completed (Awarded)
04.	2016 (Ph.D.)	Mir Javid Iqbal	Design and development of a comprehensive medicines management policy framework for tertiary care hospitals	Completed (Awarded)
05.	2013 (M.Pharm.)	Shahyesta Amin	Knowledge, attitude and prescribing patterns of doctors towards hormone replacement therapy in pre and post-menopausal women of Kashmir region	Completed (Awarded)
06.	2013 (M.Pharm.)	Reyaz Ahmad Ahangar	Evaluation of availability, prices and affordability of essential medicines as per WHO-HAI methodology across ten districts of Kashmir province	Completed (Awarded)
07.	2013 (M.Pharm.)	Gulzar Ahmad	Evaluation of availability and affordability of essential commodities required for maternal, neonatal, reproductive and child health across ten districts of Kashmir province	Completed (Awarded)
08.	2014 (M.Pharm.)	Alsaba Majeed	Drug utilization studies of statins in patients of diabetes mellitus at a tertiary care hospital	Completed (Awarded)
09.	2014 (M.Pharm.)	Zahida Akhter	Evaluation of the prescribing patterns of anti-hypertensive drugs in patients of hypertension with associated co-morbidities at a tertiary care hospital	Completed (Awarded)
10.	2015 (M.Pharm.)	Junaid Ahmad Ahangar	Drug utilization patterns and risk assessment for primary and secondary prevention of cardiovascular disease at a tertiary care hospital	Completed (Awarded)
11.	2015 (M.Pharm.)	Tanveer Ahmad Kumar	Drug utilization patterns and risk assessment for renal impairment patients at a tertiary care hospital	Completed (Awarded)
12.	2017 (M.Pharm.)	Aamir Nabi Mir	Drug utilization studies with special reference to off-label use of drugs among pediatric patients at a tertiary care hospital	Completed (Awarded)
13.	2016 (M.Pharm.)	Rumaisa Rashid	Evaluation of prescribing patterns and patient compliance among Kashmiri women with polycystic ovary syndrome (co-supervisor)	Completed (Awarded)
14.	2018 (M.Pharm.)	Imran Bandh	Drug Utilization Evaluation among Psychiatric out-patients with special reference to Bipolar patients at a Tertiary Care Hospital	Not Completed

15.	2018 (M.Pharm.)	Hilal Ahmad Khoja	Evaluation of utilization patterns of antimicrobial drugs among inpatients and outpatients at the department of General Medicine of a Tertiary Care Hospital	Completed (Awarded)
16.	2016 (M.Pharm.)	Ahsanullah Bhat	Drug utilization evaluation and assessment of the quality of pharmaceutical care among pregnant women at outpatient department of a tertiary care hospital	Completed (Awarded)
17.	2016 (M.Pharm.)	Andleeb Jan	Frequency and intensity of Levothyroxine dose adjustments in patients suffering from hypothyroidism, their adherence to the prescribed dose and therapy and its overall impact on therapeutic outcome quality of life of patients	Completed (Awarded)
18.	2017 (M.Pharm.)	Muzaffar Ahmad	Evaluation of utilization patterns of antimicrobial drugs among pediatric patients at inpatient & outpatient departments of a children's tertiary care hospital	Not completed
19.	2017 (M.Pharm.)	Lateef Malik	Comparative clinical efficacy, safety, cost benefit analysis, prescribing and utilization pattern of oral anticoagulant drugs for the primary and secondary prevention of stroke and systemic thromboembolism in patients of Non-valvular Atrial Fibrillation: A Systematic review of literature	Not Completed
20.	2023 (Ph.D.)	Shafiq Rasool	Design and development of Universal Health Coverage policy framework for Jammu and Kashmir	Ongoing
21.	2021 (Ph.D.)	Mohammad Amin Bhat	Seasonality, clinical efficacy, safety, prescribing and utilization pattern of medicines used to treat cough and common cold among pediatric patients at a tertiary care hospital	Not completed
22.	2023 (M.Pharm.)	Uzma Farooq	Evaluation of the impact of Pharmaceutical Pricing Policy 2012, Drug Prices Control Order 2013, price capping and other regulatory reforms on the availability and	Completed (Awarded)

			affordability of medicines in India: A systematic review of literature	
23.	2021 (M.Pharm.)	Adil Mustafa	Impact of initiation of Menopausal Hormone Therapy (MHT) on the outcomes of cardiovascular and other chronic diseases among post-menopausal women	Completed (Awarded)
24.	2021 (M.Pharm.)	Liyaqat Bashir	Recent advances and emerging scientific evidence in the pathophysiology of insulin resistance and hyperinsulinemia	Completed (Awarded)
25.	2021 (M.Pharm.)	Tabassum Ara	Evaluation of the impact of Pharmaceutical Pricing Policy 2012, Drug Prices Control Order 2013, price capping and other regulatory reforms on the availability and affordability of medicines in India: A systematic review of literature	Completed (Awarded)
25.	2023 (Ph.D.)	Mudasir Maqbool	An open-label randomized clinical trial to evaluate comparative efficacy and safety of Metformin alone, versus combination of Metformin and Unani formulation Qurs-e-Ziabetes in Kashmiri Women suffering from Polycystic Ovary Syndrome and Type-2 Diabetes Mellitus at a tertiary care hospital	Ongoing
26.	2022 (Ph.D.)	Insha Mushtaq	Role of Proton Pump Inhibitors, H2 Receptor Blockers, Vitamin B12 deficiency and its supplementation in the onset and progression of Diabetic Neuropathy with special reference to Kashmiri Patients at a tertiary care hospital.	Ongoing
27.	2022 (Ph.D.)	Shafia Bashir	Role of Proton Pump Inhibitors, H2 Receptor Blockers, Vitamin D deficiency and its supplementation in the onset and progression of Diabetic Nephropathy with special reference to Kashmiri Patients at a tertiary care hospital.	Ongoing
28.	2022 (M.Pharm.)	Zahoor Ahmad Wani	To study the role of Transferrin as a biomarker of diabetic nephropathy in T2DM patients currently on oral	Completed (Awarded)

			hypoglycemic drugs at a tertiary care hospital	
29.	2022 (M.Pharm.)	Ather Ahad Mir	To study the long-term use of proton pump inhibitors (PPIs) in the onset and progression of T2DM and metabolic syndrome	Completed (Awarded)
30.	2022 (M.Pharm.)	Bazila Shah	To study the role of biomarkers of diabetic neuropathy and to evaluate the drug utilization pattern in diabetic neuropathy patients at a tertiary care hospital	Completed (Awarded)
31.	2023 (M.Pharm.)	Umar Maqbool		Ongoing
32.	2023 (M.Pharm.)	Insha Ayaz		Ongoing

21) Details of papers presented in national / international conferences / seminars / workshops etc.

1. Presented a scientific paper entitled, "Need for continuing education in Hospital and Clinical Pharmacy", at **49th Indian Pharmaceutical Congress** held at **Thiruvananthapuram** from 18th Dec. to 21st Dec., 1997
2. Presented following four research papers at **50th IPC and 17th Asian Congress of Pharmaceutical Sciences** held at **Mumbai** from 10th to 13th December, 1998. These research papers have been published in the books of Abstracts.
 - i) Cardiovascular effects of aqueous extract of fruits of *Embllica officinalis*.
 - ii) Effects of fish oil on the penetration and activity of Nimesulide from gel formulation.
 - iii) Need to modify operating procedures of hospital pharmacies.
 - iv) Prescription analysis of antibiotics and evaluation of prescribing pattern of doctors and dispensing pattern of pharmacists for rational drug therapy.
3. Presented a scientific paper entitled, "Comparative anti-inflammatory activity and ulcer-inducing property of four commonly used NSAIDs" at **Southern Regional Conference of Pharmacologists 99**, held at **Perundurai** from 18th June to 20th June, 1999. Paper published in the book of Abstracts.
4. Presented a scientific paper entitled, "In-vivo anti-clastogenic activity of essential oil of *Cymbopogon citratus* (Lemongrass) in mice" at **51st Indian Pharmaceutical Conference** held at **Indore** in December, 1999. Paper published in the book of Abstracts.
5. Paper entitled, "In-vivo anti-clastogenic effects of extracts of *Ocimum sanctum* and *Rosmarinus officinalis* in mice" has been published in the book of Abstracts of the **52nd Indian Pharmaceutical Conference**, held at **Hyderabad** in December, 2000.
6. Presented a paper in the **National Seminar** on "Recent Developments in Plant Science Research" held at the **University of Kashmir** during November, 2003.

7. Presented a paper in the **National Seminar** on "Inter-disciplinary approaches in Zoological Sciences", held at the **University of Kashmir** during November, 2003.
8. Presented a paper entitled, "National Drug Policy and Quality Control of Drugs", in the Annual Conference and **International Workshop of the Pharmacovigilance Society of India**, held at **Agra** b/n 11-13 Dec., 2003.
9. Presented a paper entitled, "Major Impediments in the Quality Control and Rational Use of Drugs" in the **41st General Orientation Course**, organized by the Academic Staff College of the **University of Kashmir**, Srinagar b/n 12th May, 2005 to 8th June, 2005.
10. Presented a paper entitled, "National Drug Policy and Quality Control of Drugs" during the **2nd J&K Science Congress**, held at the **University of Kashmir** between 25th and 28th July, 2006.
11. Presented paper entitled, "Anti-mutagenic effects of the essential oil of *Cymbopogon citratus* against lead nitrate and cyclophosphamide induced micronuclei formation and chromosomal aberrations in mouse bone-marrow cells" during the **International Symposium on Genomic Instability and Cancer**, held at the **University of Kashmir**, Srinagar b/n 22-25th July, 2007
12. Attended day-long seminar on "**Tobacco free Kashmir: bringing the dream to reality**", held on November 6th, 2007, organized by Hakim Sanaullah Specialist Hospital and Cancer Center, Sopore in collaboration with Dept. of Pharm. Sciences, University of Kashmir at the University of Kashmir.
13. Presented a paper entitled, "Guiding Principles for the formulation of a Drug Policy in the State of Jammu and Kashmir" in the **40th Annual Conference of the Indian Pharmacological Society** held at **NIPER, Mohali, Chandigarh** b/n 1st to 3rd November, 2007.
14. Presented a paper entitled, "**Constitution of National Biotechnology Regulatory Authority of India – Views and Suggestions**" at the day-long workshop-cum-consultative meet with state scientists on the draft establishment plan for the NBRA, organized by the **J&K Science and Technology Department** at the University of Kashmir on August 4th, 2008.
15. Delivered three guest lectures on **Cultivation of Medicinal Plants in J&K** at ten-day workshop organized by **USIC, Univ. of Kashmir** in April, 2008.
16. Attended two-day workshop on **Patents and Intellectual Property Rights** organized by **Regional Research Institute of Unani Medicine**, Srinagar b/n May 1-2, 2008.
17. Attended day-long expert-level panel discussion on the **Changing Dynamics of Higher Education in India**, organized by **Academic Staff College** of the University of Kashmir in collaboration with Indian Institute of Public Administration (IIPA) at SKICC, Srinagar on Nov. 1st, 2008 and acted as Rapporteur for the day.
18. Attended **4th J&K Science Congress** held at University of Kashmir b/n Nov. 12 - 14, 2008, functioned as Rapporteur for the session on Pharmaceutical Sciences and presented a paper on "**Guiding Principles for the formulation of a Drug Policy in the state of J&K**".
19. Made a presentation on "**The importance and status of science education in the state of J&K**" during a day-long seminar organized by the **UGC-Academic Staff College**, University of Kashmir on March 25th, 2009.
20. Served as **Joint Organizing Secretary** for the two-day **National Seminar on "Recent Advances in Pharmaceutical Education and Research"** organized by the Department of Pharmaceutical Sciences, University of Kashmir on July 15 & 16, 2009 and compiled final recommendations of the deliberations for consideration of the government quarters.

21. Co-organized a **short-term training course on Nanoscience and Technology** for college and university teachers, held at **Academic Staff College, University of Kashmir** on December 9-10, 2011.
22. Presented a paper entitled, "Intensive hospital-based adverse drug reaction monitoring studies on 5482 patients of Kashmiri origin in a tertiary care hospital" during the WHO-sponsored **third International Conference for Improving Use of Medicines, held at Antalya, Turkey between November 14-18, 2011.**
23. Co-authored a poster entitled, "**Integration of emerging technologies in Pharmacometabonomics and Nanodiagnostics for Personalized Pharmacotherapy and improved clinical outcome**" during SPIRIT12 - All India Pharma Students Conclave held on February 25-26, 2012 and organized by the Pharmaceutics Society, Department of Pharmaceutics, IT-BHU, Varanasi, UP, India.
24. Presented a paper entitled, "**Need for fresh policy initiatives and novel approached in the formulation of medicines policies for various Indian states**" during the WHO-sponsored second **Asia Pacific Conference on National Medicines Policies, held at Sydney, Australia** between May 26-29, 2012.
25. Co-authored a paper entitled, "**Design, implementation and evaluation of pharmaceutical care services in patients of respiratory medicine at a tertiary care hospital**" presented during **second Asia Pacific Conference on National Medicines Policies, held at Sydney, Australia** between May 26-29, 2012.
26. Presented paper entitled, "**SWOT Analysis of the maiden draft drug policy of Jammu and Kashmir state**" during 8th J&K Science Congress, organized by the University of Kashmir during September 17-19th, 2012.
27. Presented paper entitled, "**Improvements in drug policy of Indian state of J&K through persistent advocacy and logical interventions by Civil Society Forum**" during oral session and the paper entitled "**Frequency, types, severity, preventability and costs of adverse drug reactions at a tertiary care hospital over a nine month period**" during poster session of the **12th annual conference of the International Society of Pharmacovigilance (ISOP)**, held at **Cancun, Mexico** between October 30th to November 2nd, 2012.
28. Attended two-day seminar-cum-workshop on "**Management development in higher education**" organized by the UGC-Academic Staff College, University of Kashmir for College Principals and Senior Academicians of University of Kashmir on January 29-30, 2013 and served as Rapporteur for Technical Session-I.
29. Attended 9th J&K Science Congress organized by the University of Kashmir on October 1-3, 2013 and presented a paper entitled, "**Four years of Pharmacy Practice Education and Research in the state of J&K - an overview**" in the oral session of the conference.
30. Attended week-long workshop-cum-national conference on "**Pharmaceutical Policies in India - Balancing industrial growth with public health**" jointly organized by ISID and PHFI, New Delhi and held at ISID, New Delhi between March 3 - 7, 2014.
31. Attended 14th Annual Conference of the Society of Pharmacovigilance India (SOPi) and International Symposium on Safe Medicines and Safe Patients organized by the Dept. of Pharmacology, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh between December 1-3, 2014 and delivered an invited lecture on "**Pharmacometabonomics: Role in personalized medicines and pharmacovigilance**".
32. Attended second national summit of the All India Unani Tibbi Congress organized by its J&K Chapter at RRIUM, Srinagar on May 12th, 2015 and delivered an invited lecture on "**Pharmacovigilance of Unani medicines**".
33. Attended 5th National Conference on "**Patient Safety and Drug Regulatory Scenario in India**", organized by Partnership for Safe Medicines India Initiative in collaboration with Dean,

Students Welfare, University of Kashmir on May 20th, 2015 and delivered an invited lecture on "**Pharmacovigilance of AYUSH medicines**".

34. Attended National Inter-disciplinary Science Conference-2015 (NIS'CON-2015) Recent Research Trends in Chemical and Environmental Sciences, jointly organized by P.G. Department of Chemistry, P.G. Department Environmental Sciences, S.P. College, Srinagar and Department of Environment & Water Management on 18-19th August, 2015 and presented a paper entitled, "**Promoting rational use of medicines in Kashmiri population by evaluating prescribing patterns of doctors**".
35. Attended two-day national seminar on "Quality concerns in higher education" jointly organized by NAAC and Faculty of Education, Central University of Kashmir, Srinagar on 10-11 September, 2015 and presented a paper entitled, "**Ten strategic reforms required in higher education system of J&K state**".
36. Attended 9th annual conference of the North Zone Indian Association of Social and Preventive Medicine organized by the Dept. of Social and Preventive Medicine, Govt. Medical College, Srinagar in collaboration with Indian Association of Social and Preventive Medicine at Govt. Medical College Srinagar and presented a paper entitled, "**Pharmaco-epidemiological research as a means for promoting rational use of medicines in Kashmiri population**" on October 9th, 2015.
37. Chaired a technical session during Global Conference of Unani Medicines, organized by the Directorate of Indian System of Medicine, J&K, in collaboration with World Unani Foundation, at SKICC, Srinagar on October 13th, 2015 and delivered an invited lecture on "**Safety evaluation and monitoring of Unani medicines**".
38. Attended 11th JK Science Congress organized by and held at the University of Kashmir on from October 12-14, 2015 and presented a paper entitled, "**Drug Utilization Research as a means of promoting rational use of medicines in Kashmiri population - an overview of seven studies**" on October 14th, 2015. Received best paper award in Medical Science Section for this presentation.
39. Attended review committee meeting as an expert member to finalize research protocols for operationalization of the National Drug Utilization Evaluation Programme of India at New Delhi headquarters of the Indian Council of Medical Research (ICMR) on September 28-29, 2015 and made a presentation on "**Drug utilization evaluation of antimicrobials in ambulatory care and community households-a multicentric study**".
40. Attended 16th Annual Conference of the International Society of Pharmacovigilance (ISoP) held at Agra from October 17-19, 2016 and presented a paper entitled, "**Drug utilization evaluation as a tool for minimizing risk and promoting rational use of medicines**".
41. Attended two-day National Inter-disciplinary Conference on "Science for sustainable Development" SSD-2016 at S.P. College Srinagar on February 25th, 2017 and presented a paper entitled, "**APPLICATION OF PHARMACOMETABONOMIC TECHNIQUES FOR PERSONALIZED MEDICINE AND IMPROVED CLINICAL OUTCOME**".
42. Attended 2nd J&K Medical Science Congress and 1st Annual Conference of MPPCOS Society at SKICC Srinagar from May 10-13, 2017 and chaired a technical session on "**Rational Pharmacotherapeutics in NCDs**" besides presenting a paper each in oral and poster sessions.
43. Attended expert review committee meeting for Human Resource Development Centres at UGC Head Office, Bahadur Shah Zaffar Marg, New Delhi on October 12th, 2017 and made a powerpoint presentation on the **performance of UGC-HRDC, University of Kashmir** during 12th plan period (2012-2017).
44. Attended 1st Faculty seminar in Kashmir Studies entitled, "Contemporary Academic Discourses on Kashmir: Society, Culture and Politics", held on December 27-28, 2017 at

- Institute of Kashmir Studies, University of Kashmir and presented a paper entitled, **"Promoting equity and social justice in medical care among Kashmiri population"**.
45. Presented a paper (oral) in "2nd National Seminar on Clinical Pharma Practice", on **"Management of adverse drug reactions in the current national and international scenario"**, organized by *S.V. College of Pharmacy, Nammakkal Dist., Tamil Nadu*, dated 21-06-2018.
 46. Presented a paper (oral) in "Two-day National Seminar on Intellectual Property Rights", on **"Balancing between intellectual property rights and equitable access to medicines"**, organized by *Central Council for Unani Medicine (CCRUM), New Delhi*, from 30-11-2018 to 01-12-2018.
 47. Presented a paper (oral) in "Two-day National Seminar on Intellectual Property Rights", on **"Medicalization of Society and Socialization of Medicine"**, organized by *Central Council for Unani Medicine (CCRUM), New Delhi*, from 30-11-2018 to 01-12-2018.
 48. Presented a paper (poster) in "13th J&K Science Congress", on **"Recent Advances and Future Prospects in the Application of Pharmacometabonomics in Personalized Medicine and Patient Safety"**, organized by *University of Kashmir*, from 02-04-2018 to 04-04-2018
 49. Presented a paper (poster) in "National Conference on Recent Advances in understanding the role of Phytochemicals in human health", on **"Therapeutic benefits of curcumin"**, organized by *University of Kashmir*, from 25-07-2018 to 26-07-2018
 50. Attended a Workshop on **"1st investigators meeting cum training workshop on ICMR multi-centre PCOS task force study"**, organized by ICMR, New Delhi and MP-PCOS Society, from 05-04-2018 to 06-04-2018 at SKIMS, Srinagar.
 51. Attended 2nd National Seminar on Clinical Pharma Practice held at S.V. College of Pharmacy, Nammakkal Dist., Tamil Nadu on June 21st, 2018 and delivered an invited lecture on **"Management of adverse drug reactions in the current national and international scenario"**.
 52. Attended two-day National Seminar on Intellectual Property Rights held by the Central Council of Unani Medicine (CCRUM) in collaboration with Regional Research Institute of Unani Medicine (RRIUM), Srinagar from November 30th to December 1st, 2018 and made two oral presentations on **"Balancing between IPRs and equitable access to medicines"** and **"Medicalization of the Society and Socialization of the medicine"**.
 53. Attended 3rd J&K Medical Science Congress organized by Sher-i-Kashmir Institute of Medical Sciences, SKIMS in collaboration with J&K Science, Technology and Innovation Council on December 30-31, 2019. Acted as a panelist during a panel discussion on **"Strategies for enhancing research in Jammu and Kashmir"** and a brainstorming session on **"Formulating research consortium in Jammu and Kashmir"**. Made a presentation on **"Measures to boost biomedical research in Jammu and Kashmir"** during the panel discussion.
 54. Attended 1st SPUPC (**Scope and Prospects of Unani Medicine in Pediatric Healthcare**), organized by the National Unani Doctors' Welfare Association (NUDWA) in collaboration with Hermas Doctors Academy, Kerala at SKICC, Srinagar on January 19th, 2020 and co-chaired a scientific session on **"Use of Unani medicines in pediatrics"**.
 55. Attended international webinar on the theme **"Innovative strategies for pharmacists in Covid-19"**. The webinar covered new things being done by practicing pharmacists, researches being conducted and other new possibilities. The webinar was hosted by Karnataka Registered Pharmacists Association, Mysuru and R. R. College of Pharmacy, Bangalore on July 13th, 2020.
 56. Attended International e-Conference on **"Empowering Pharmacists to Serve Current Healthcare Requirements"** organized by Indian Pharmaceutical Association (IPA), U.P.

State Branch jointly with HR Institute of Pharmacy, Ghaziabad and Cliniminds, Institute of Health Sciences Training & Management on 12 July, 2020.

57. Attended webinar on **"3D printing in healthcare during COVID-19 pandemic"** organized jointly by JSS College of Pharmacy, Mysuru and Special Interest Group of 3D printing in healthcare, JSS Academy of Higher Education and Research on June 30th, 2020.
58. Attended a webinar/live interactive session on **"Strategies for post-pandemic pharmacy education: moving early and responding strongly"**, organized jointly by the Indian Pharmaceutical Association, Education Division, JSS Academy of Higher Education and Research and Chebrolu Hanumaiah Institute of Pharmaceutical Sciences and Vikas Institute of Pharmaceutical Sciences on July 18th, 2020.
59. Attended online International Webinar Series Lecture-I on **"Systematic reviews and meta-analysis"** organized by the Department of Pharmaceutical Sciences, in collaboration with UGC-Human Resource Development Centre, University of Kashmir, on June 28th, 2020 that was delivered by Prof. Zaheer-Ud-Din Babar, Professor of Medicines and Healthcare, Director, Centre of Pharmaceutical Policy and Research, University of Huddersfield, UK.
60. Attended online International Webinar Series Lecture-II on **"Pharmacy Profession in India: present status and future challenges"** that was delivered by Prof. B. Suresh, President, Pharmacy Council of India and Pro-Chancellor, JSS Academy of Higher Education and Research, Mysuru on July 14th, 2020 on Zoom platform that was attended by more than 1000 participants.
61. Attended International Webinar Series Lecture-III on, **"Writing proposals for research grants"** that was delivered by Dr. Sadaf Munshi, Professor and Chair, Department of Linguistics, College of Information, University of North Texas, USA on July 20th, 2020 on Zoom platform that was attended by more than 600 participants.
62. Attended International Webinar Series Lecture-IV on, **"Social Prescribing: Transforming doctor-patient relationship"** that was delivered by Dr. Tasaduq Hussain Mir, faculty at the Department of Family and Clinical Medicine, UT Southwestern Medical Centre and Chair of the Adult Medicine Services Centre, Parkland Hospital, Dallas, USA on July 14th, 2020 on Zoom platform that was attended by more than 1000 participants.
63. Attended a day-long webinar on **"Economic green methods in the field of pharmaceutical formulations, analysis, extraction, synthesis etc by novel application of mixed solvency concept"** organized by Vivek College of Technical Education, Bijnor, U.P. on July 29, 2020.
64. Attended virtual workshop of the BMJ International Forum on Quality and Safety in Healthcare on, **"Improving patient safety post-pandemic"** on July 30th, 2020 organized by BMJ Institute for Healthcare Improvement.
65. Attended online **International Conference on Pharmacovigilance and Clinical Research** from August 1 to 2, 2020, organized by Ashokrao Mane College of Pharmacy, Pethvadagaon in association with Indian Pharmaceutical Association, Kolhapur Branch on August 1 and 2, 2020.
66. Attended **Indian Congress of Pharmacy Practice 2020 and fourth Global Virtual Convention of the Indian Association of Colleges of Pharmacy (IACP)** organized by the JSSAHER, Mysuru online from August 1st to 2nd, 2020.
67. Attended an online **"IPA advanced certified course for practicing pharmacists"** organized by the Indian Pharmaceutical Association (IPA) and Serdia Pharmaceuticals (India) Pvt. Ltd. on August 12-14, 2020.
68. Attended a sensitization programme on **"Biotechnology Ignition Grant"** offered by the Association of Pharmaceutical Teachers of India (APTI) conducted on August, 2020.
69. Attended week-long eFDP and eSDP on **"Advances in Pharmaceutical Research"** organized by the Dept. of Pharmacognosy and Phytochemistry, Bapatla College

- of Pharmacy, Guntur, A.P., India in association with IPA Education Division and Indian Pharmaceutical Association (IPA) from August 13 to 18, 2020.
70. Attended a four-day virtual conference organized jointly by the Symbiosis International University and Association of Indian Universities on **"Internationalization of higher education: blended education as a catalyst"** from April 6-9, 2021 on zoom platform.
 71. Attended national webinar entitled, **"From good to great teacher"** delivered by Dr. B. Suresh, President, Pharmacy Council of India and Pro-Chancellor, JSS Academy of Higher Education and Research, Mysuru, organized by **Caritas College of Pharmacy, Ettumanoor, Kottayam** on June 25, 2021.
 72. Attended two-day training course of 15 credits of the **International Certified Career Coach Programme (Foundation Level-I) on "Career Counselling"** organized by Mindler in online mode on July 23-24, 2021.
 73. Attended two-day **Training workshop in "Career Counselling"** organized by CCPC, University of Kashmir in collaboration with Tata Advanced Systems Ltd., Bangaluru on August 27-28, 2021.
 74. Attended **two-day NAAC Assessors Orientation Programme (AOP)** organized jointly by the **National Assessment and Accreditation Council (NAAC) and the Central University of Kashmir**, at varsity's Tulmulla Campus on September 15-16, 2021.
 75. Attended **"India's First E-conclave for Online Learning in Pharmacy Education"** and participated in the Panel Discussion on **"Blended Mode in Pharmacy Education"**, organized by LearnED, Bangaluru on September 18, 2021.
 76. Attended an online webinar on **"Importance of affordability and availability of safe, quality and efficacious medicines"** organized by the **Price Monitoring Resource Unit (PMRU) of the Drug and Food Control Organization, J&K** and delivered a talk on "Issues related to pricing, affordability and availability of medicines" on October 30, 2021.
 77. Attended **2nd International Conference on Advances in Biopolymers-2021 and Workshop on Fermented Food and Gut Health**, organized by the **Department of Food Sciences and Technology, University of Kashmir** from November 8-9, 2021.
 78. Attended **two-day training course for CPCSEA nominees, organized by the Committee for the purpose of Supervision of Experiments on Animals (CPCSEA)**, Department of Animal Husbandry and Dairying (DAHD), Ministry of Fisheries, Animal Husbandry and Dairying (MoFAH&D), Govt. of India from September 1 to 2, 2022.
 79. Attended two-day training course of 15 credits of the **International Certified Career Coach Programme (Foundation Level-I) on "Career Counselling"** organized by Mindler in online mode on January 27-28, 2023.
 80. Attended five day **online faculty development training programme on Universal Human Values (UHV-I)** organized by AICTE from January 30 to February 3, 2023.
 81. Attended a panel discussion on **"Industry-academia interaction for promotion of science, skills and innovation"** as a panelist during Young Researchers Meet organized by the Department of Botany, University of Kashmir on September 20, 2023.
 82. Attended a panel discussion on **"National policy on research and development and innovation in the Pharma Med Tech Sector in India (NIPER-R&D)"** organized as part of National Pharmacy Week Celebrations by APTI Maharashtra state and Karyakaushalam in collaboration with D.Y. Patil University School of Pharmacy, Navi Mumbai on November 25, 2023.
 83. Participated in an online panel discussion on the **122nd birth anniversary of Late Prof. M.L. Schroff on the eve of Pharmacy Education Day** organized by **Pharma Lok** on March 6, 2024.

22) Online Courses/International webinars organized for teachers during COVID-19 lockdown:

1. As **Organizing Secretary** organized International Webinar Series Lecture-I on, "Systematic reviews and meta-analysis" that was delivered by Prof. Zaheer-Ud-Din Babar, Professor of Medicines and Healthcare, Director of the Centre for Pharmaceutical Policy and Research, University of Huddersfield, UK on June 28th, 2020 on Google Meet that was attended by more than 250 participants.
2. As **Organizing Secretary** organized International Webinar Series Lecture-II on, "Pharmacy profession in India: present status and future challenges" that was delivered by Prof. B. Suresh, President, Pharmacy Council of India and Pro-Chancellor, JSS Academy of Higher Education and Research, Mysuru on July 14th, 2020 on Zoom platform that was attended by more than 1000 participants.
3. As **Organizing Secretary** organized International Webinar Series Lecture-III on, "Writing proposals for research grants" that was delivered by Dr. Sadaf Munshi, Professor and Chair, Department of Linguistics, College of Information, University of North Texas, USA on July 20th, 2020 on Zoom platform that was attended by more than 600 participants.
4. As **Organizing Secretary** organized International Webinar Series Lecture-IV on, "Social Prescribing: Transforming doctor-patient relationship" that was delivered by Dr. Tasaduq Hussain Mir, faculty at the Department of Family and Clinical Medicine, UT Southwestern Medical Centre and Chair of the Adult Medicine Services Centre, Parkland Hospital, Dallas, USA on July 14th, 2020 on Zoom platform that was attended by more than 1000 participants.
5. As **HRDC Coordinator** organized week-long online Faculty Development Programme on Cloud Computing for the Computer Science, Engineering and IT faculty from July 20 to 25, 2020 that was attended by 27 participants. Course was conducted on Zoom platform and coordinated by Dr. Rana Hashmy of the Dept. of Computer Sciences, University of Kashmir.

23) Technical sessions chaired/co-chaired in scientific meetings

- i) **Co-chaired a scientific session** during **Annual Conference of the Society of Pharmacovigilance India (SOPI) and International Symposium on Safe Medicines and Safe Patients** held at Dept. of Pharmacology, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh between December 1-3, 2014.
- ii) **Chaired a technical session** during **9th Annual Conference of the North Zone Indian Association of Social and Preventive Medicine**, organized by the Dept. of

Social and Preventive Medicine, Govt. Medical College, Srinagar on October 10th, 2015.

- iii) **Chaired a scientific session during second national summit of the All India Unani Tibbi Congress**, organized by its J&K Chapter at RRIUM, Srinagar on May 12th, 2015.
- iv) **Chaired a technical session during Global Conference of Unani Medicines**, organized by the Directorate of Indian System of Medicine, J&K, in collaboration with World Unani Foundation, at SKICC, Srinagar on October 13th, 2015.
- v) **Co-chaired a scientific session on "Rational pharmacotherapeutics in NCDs"** during 2nd J&K Medical Science Congress held at SKICC, Srinagar from May 10-13, 2017.
- vi) **Co-chaired a scientific session on "Medical and Dental Sciences"** during 13th J&K Science Congress held at the University of Kashmir from April 2-4, 2018.
- vii) **Co-chaired a scientific session on "Use of Unani medicines in pediatrics"** during 1st SPUPC (**Scope and Prospects of Unani Medicine in Pediatric Healthcare**), organized by the National Unani Doctors' Welfare Association (NUDWA) in collaboration with Hermas Doctors Academy, Kerala at SKICC, Srinagar on January 19th, 2020.
- viii) **Co-chaired a technical session during the Unani Day 2022 and International Conference on "Diet and nutrition in Unani Medicine for good health and well-being"** organized by CCRIUM and RRIUM, Srinagar at SKICC, Srinagar and delivered a talk on "Improving Immunity (Quwat-e- Mudafe'at) with Unani Medicine, nutrition and diet" on March 12, 2022.
- ix) **Co-chaired a technical session at IIM, Srinagar during the day-long training programme for Assistant Drug Controllers and Drug Control Officers of Kashmir division**, organized by Deputy Controller, Drug and Food Control Organization, J&K on March 14, 2022.
- x) **Co-chaired a technical session during two-day virtual international conference on "Clinical Pharmacy Practice and Research 2022"**, organized by the Department of Pharmacy Practice, School of Pharmaceutical Sciences, VELS Institute of Science, Technology and Advanced Studies, Pallavaram, Chennai on March 18, 2022.
- xi) **Co-chaired a technical session during an awareness cum brainstorming workshop on "Formulation of comprehensive career indexing tool"**, organized by the Innovation-Incubation and Entrepreneurship Development Centre (IIEDC), National Institute of Technology (NIT), Srinagar on March 19, 2022.

- xii) **Co-chaired a technical session during Unani Day 2022 and International Conference on “Diet and nutrition in Unani Medicine for good health and well-being”** organized by CCRUM and RRIUM, Srinagar at SKICC, Srinagar on March 11, 2022.
- xiii) **Co-chaired a session at Islamia College of Science and Commerce, Srinagar** on June 3rd, 2022 as part of their first interdisciplinary science colloquium for students.
- xiv) **Co-chaired a technical session at the Institute of Advanced Studies in Education (IASE), Srinagar** as part of their week-long extension series lectures on NEP implementation on June 14, 2022.
- xv) **Co-chaired a technical session at Govt. College for Women, M.A. Road, Srinagar during two-day National Conference on “NEP-2020: Preparedness and implementation”** organized by Higher Education Department of the Govt. of Jammu and Kashmir on June 27-28, 2022.
- xvi) **Chaired a technical session during two-day National Conference on “Institutional Autonomy in light of NEP-2020: Challenges and Reforms”** organized by the Govt. Degree College, Baramulla on August 24-25, 2022.
- xvii) **Chaired a technical session on “Gender and Research” during two-day National Conference on “Changing dimensions of scholarly communication and role of libraries to attain knowledge society”** organized by the Department of Library and Information Sciences of the University of Kashmir on September 6-7, 2022.
- xviii) **Chaired a technical session during day-long seminar on “Design thinking, innovation and entrepreneurship development in Unani healthcare”** organized by the Regional Research Institute of Unani Medicine (RRIUM), Srinagar on September 1, 2023.
- xix) **Chaired a scientific session on “single-drug (mufrada) formulations of Unani medicine”** during a day-long conference organized by the World Unani Foundation on September 19, 2023 at SKAUST-Kashmir.
- xx) **Chaired a technical session on “Building the argument for sustainability and one health” during three-day JK Agrimed Science Congress, 2024** held at SKUAST-Kashmir on February 27, 2024.
- xxi) **Chaired a technical session on “Biosimilars, Nutraceuticals, Integrative Medicine, Drug Discovery and Drug Economy” during three-day JK Agrimed Science Congress, 2024 held at SKUAST-Kashmir on February 29, 2024.**
- xxii) **Moderated a brainstorming session on “Identifying priority areas for research by Jammu, Kashmir and Ladakh Research Consortium” during three-day JK Agrimed Science Congress, 2024 held at SKUAST-Kashmir on February 2, 2024.**

24) Peer-Review assignments undertaken for Journals:

Have completed several peer-review assignments for the American Journal of Pharmaceutical Education, Journal of Pakistan Medical Association, Journal of Pharmacology and Pharmacotherapeutics, International Journal of User-Driven Healthcare, African Journal of Pharmacy and Pharmacology and Indian Journal of Pharmacology.

1. Reviewed a Research Paper entitled, "**Curricula Reform in Pharmacy Education: The Metamorphosis of an Undergraduate Pharmacy Student to a Fit-for-Purpose Practitioner**". Published by (AJPE) American Association of Colleges of Pharmacy {ISSN: 0002-9459}
2. Reviewed a Research Paper entitled, "**Current Pharmacy Curriculum in India and Need for an Update:- Eye on Pharmacovigilance and Medical Writing**". Published by (AJPE) American Association of Colleges of Pharmacy {ISSN: 0002-9459}
3. Reviewed a Research Paper entitled, "**The effect of ezetimibe monotherapy on mean platelet volume in patients with hyperlipidemia**". Published by (JPMA) Pakistan Medical Association {ISSN: 0030-9982}
4. Reviewed a Research Paper entitled, "**Phenytoin induced encephalopathy in a child**". Published by (IJP) Indian Pharmacological Society {ISSN: 0253-7613}
5. Reviewed a Research Paper entitled, "**Medication use history in patients admitted to a teaching hospital: a cross-sectional study**" for African Journal of Pharmacy and Pharmacology.
6. Reviewed following six Research Papers for **American Journal of Pharmaceutical Education** published by American Association of Colleges of Pharmacy {ISSN: 0002-9459}
7. **Evaluation of students' perceptions towards an innovative teaching-learning method during Pharmacology revision classes** : Autobiography of Drugs
8. An eight year retrospective study in "**flipped**" **pharmacokinetics courses**
9. **Standardization of Educational Plan and Design of Objective Structured Field Examination (OSFE) for the Assessment of PharmD Student's Community Pharmacy Clerkship Skills**
10. **Training pharmacy students** in evidence-based practice using the DIC training module
11. Student Learning of Literature Evaluation Skills Using Journal Club During Advanced Pharmacy Practice Experiences
12. Silver Scripts: **An Introductory Pharmacy Practice Experience.**
13. Reviewed a Research Paper for, "**Indian Journal of Physiology and Pharmacology**". Published by Indian Society of Physiology and Pharmacology {ISSN: 0019-5499}
14. Reviewed a Research Paper for, "**African Journal of Pharmacy and Pharmacology**". Published by Academic Journals {ISSN: 001}
15. Reviewed a Research Paper for, "**American Journal of Pharmaceutical Education**". Published by American Association of Colleges of Pharmacy {ISSN: 0002-9459 (print) 1553-6467 (web)}
16. Reviewed a Research Paper for, "**Drug Safety**". Published by International Society of Pharmacovigilance {ISSN: 0114-5916 (Print) 1179-1942 (Online)}
17. Reviewed a Research Paper for, "**Journal of Basic and Clinical Pharmacy**". Published by Medknow Publications {ISSN: 0976-0105 (print); 0976-0113 (Online)}
18. Reviewed a Research Paper entitled, "**Pharmacovigilance in Indian Drug Legislation**". Published by Adis International {ISSN: 0114-5916}

19. Reviewed a Research Paper entitled, "**Role of medicines of unknown identity in adverse drug reaction-related hospitalizations in developing countries: evidence from a cross-sectional study in a teaching hospital in**". Published by Adis International {ISSN: 0114-5916}
20. Reviewed a Research Paper entitled, "**Adverse Drug Reactions: Two Years Experience from a Tertiary Teaching Hospital in Kerala**". Published by Global Scientific Research Forum {ISSN: 0976-0105}
21. Reviewed a Research Paper entitled, "**Comparing professional skills course performance of undergraduate students with part-time PharmD students enrolled in a blended-learning curriculum**". Published by American Association of Colleges of Pharmacy (ACCP) {ISSN: 0002-9459}
22. Reviewed a Research Paper entitled, "**Medicines and ageing: A training workshop for community pharmacist workforce**". Published by American Association of Colleges of Pharmacy (ACCP) {ISSN: 1553-6467}
23. Reviewed a Research Paper entitled, "**Current status of Pharmacovigilance in India: present scenario and future challenges**". Published by International Society of Pharmacovigilance {ISSN: 0114-5916}
24. Reviewed a Research Paper entitled, "**Translating Medicines to Patients: A Novel Methodology for Quantifying the Global Medical Supplies and Donations Program**". Published by PLOS-ONE {ISSN: 1932-6203}
25. Reviewed a Research Paper entitled, "**Adverse Drug Reactions in High-Risk Pregnancy in Intensive Care: Relevance of Magnesium Sulfate Toxicity**". Published by PLOS-ONE {ISSN: 1932-6203}
26. Reviewed a Research Paper entitled, "**Association of Diet Scores with Adiposity, Glycemic status And Nutritional Biomarkers in Type 2 Diabetic Patients: A Hospital-Based Observational Study from Bihar, India**". Published by PLOS-ONE {ISSN: 1932-6203}
27. Reviewed a Research Paper entitled, "**Application and Effect Analysis of the Case Import and Task-Driven Teaching Mode in Prescription Distribution**". Published by American Association of Colleges of Pharmacy (ACCP) {ISSN: 1553-6467}
28. Reviewed a Research Paper entitled, "**Nutrition knowledge of practicing pharmacists**" for the American Journal of Pharmaceutical Education published by American Association of Colleges of Pharmacy (ACCP) {ISSN: 1553-6467}.
29. Reviewed a Research Paper entitled, "**TRAINING PHARMACY STUDENTS IN EVIDENCE-BASED PRACTICE USING THE DIC TRAINING MODULE**" for the American Journal of Pharmaceutical Education published by American Association of Colleges of Pharmacy (ACCP) [ISSN: 1553-6467].
30. Reviewed a Research Paper entitled, "**Student Learning of Literature Evaluation Skills Using Journal Club During Advanced Pharmacy Practice Experiences**" for the American Journal of Pharmaceutical Education published by American Association of Colleges of Pharmacy (ACCP) [ISSN: 1553-6467].
31. Reviewed a Research Paper entitled, "**Silver Scripts: An Introductory Pharmacy Practice Experience**" for the American Journal of Pharmaceutical Education published by American Association of Colleges of Pharmacy (ACCP) [ISSN: 1553-6467].
32. Reviewed a Research Paper entitled, "**Implementation of National Education Policy 2020 in Pharmacy Education**" for the Journal of Pharmaceutical Education and Research published by APTI.
33. Reviewed a Research Paper entitled, "**An Empirical Study of the Impact of Generic Drug Competition on Drug Market Prices in China**" for the Journal, Frontiers in Public Health Policy having Thomson Reuters Journal Impact Factor of 5.2.

34. Reviewed a Research Paper entitled, **“Effects of statins in women with polycystic ovary syndrome (PCOS): a systematic review and meta-analysis of randomized controlled trials”** for the Journal, *Frontiers in Endocrinology* having Thomson Reuters Journal Impact Factor of 5.2.
35. Reviewed a Research Paper entitled, **“Adherence and persistence with chronic treatments in an adult population from southern Europe: study protocol”** for the journal, *Frontiers in Public Health (Public Health Education and Promotion)* having Thomson Reuters Journal Impact Factor of 5.2
36. Reviewed a Research Paper entitled, **“Trends and prescribing patterns of oral anti-neoplastic drugs: a retrospective longitudinal study”** for the journal, *Frontiers in Public Health (Health Economics)* having Thomson Reuters Journal Impact Factor of 5.2
37. Reviewed a Research Paper entitled, **“Pharmacoeconomic Evaluation of Anti-Obesity Drugs for Chronic Weight Management: A Systematic Review of Literature”** for the journal, *Frontiers in Endocrinology (Obesity)* having Thomson Reuters Impact Factor of 5.2.
38. Reviewed a Research Paper entitled, **“The effects of N-acetylcysteine supplement on metabolic parameters in women with polycystic ovary syndrome: a systematic review and meta-analysis”** for the journal, *Frontiers in Nutrition (Nutrition and Metabolism)* having Thomson Reuters Impact Factor of 5.0
39. Reviewed a Research Paper entitled, **“Association between Pediatric Asthma and Adult Polycystic Ovarian Syndrome (PCOS): A Cross-sectional Analysis of the UAE Healthy Future Study (UAEHFS)”** for the journal *Frontiers in Endocrinology (Reproduction)* having Thomson Reuters Impact Factor of 5.2
40. Reviewed a Research Paper entitled, **“Efficacy and Safety of Hypoglycemic Agents on Gestational Diabetes Mellitus Women: A Bayes Analysis of Randomized Controlled Trials”** for the journal *Frontiers in Public Health (Clinical Diabetes)* having Thomson Reuters Impact Factor of 5.2

25) Editorial Assignments Undertaken:

1. Edited 24 issues of monthly newsletter of the Network for Rational Use of Medicines (NetRUM), India during 2009-2011.
2. Edited three Annual Reports and a Newsletter of the UGC-Academic Staff College of the University of Kashmir during 2012-2014.
3. Edited Report on the Proceedings of 2nd J&K Medical Science Congress (JKMSC) and 1st MPPCOS Society Conference held at SKICC, Srinagar from May 10-13, 2017 and organized by SKIMS, Srinagar.
4. Edited Annual Reports of the UGC-Human Resource Development Centre, University of Kashmir for the years, 2015, 2016 and 2017.
5. Edited Progress Report of the UGC-Human Resource Development Centre, University of Kashmir for the period 2014-2018 and Newsletter for the year 2018-2019 required for NAAC inspection on the Centre on May 3-5, 2019.
6. Served as Member, Editorial Board for compiling KU Profile for the period 2012-2018 required for NAAC inspection of the University on May 3-5, 2019.
7. Edited Newsletter-cum-Progress Report of the UGC-Human Resource Development Centre, University of Kashmir for the year 2019-2020.

9. Served as Member, Editorial Committee for compiling University Profile and other statutory documents for the 19th Annual Convocation held at SKICC, Srinagar on July 27, 2021.
10. Served as Member, Editorial Committee for compiling University Profile and other statutory documents for the 20th Annual Convocation held at Convocation complex of the University of Kashmir on October 9, 2023.

26) Teacher Training Courses Organized for Teachers as Course Coordinator:

1. As **Course Coordinator** organized 73rd General Orientation Course of four week duration for the newly appointed college and university Assistant Professors at the UGC-Human Resource Development Centre, University of Kashmir from December 6, 2016 to January 4, 2017.
2. As **Course Coordinator** organized Special Winter School (Refresher Course) of three week duration on "Towards excellence in higher education" for College and University teachers at UGC-Human Resource Development Centre, University of Kashmir from February 15th to March 7th, 2017.
3. As **Course Coordinator** organized 74th General Orientation Course of four week duration for the newly appointed college and university Assistant Professors at the UGC-Human Resource Development Centre, University of Kashmir from February 27th to March 28th, 2017.
4. As **Course Coordinator** organized 75th General Orientation Course of four week duration for the newly appointed college and university Assistant Professors at the UGC-HRDC, University of Kashmir from May 16th to June 12th, 2017.
5. As **Course Coordinator** Organized Special Summer School Refresher Course on "Polity, Society and Economy in J&K - Challenges of change" at UGC-HRDC, University of Kashmir for college and university teachers from July 20th to August 9th, 2017.
6. As **Course Coordinator** organized 76th General Orientation Course of four week duration for the newly appointed College and University Assistant Professors at the UGC-HRDC, University of Kashmir from September 6th, 2017 to October 6th, 2017.
7. As **Course Coordinator** organized 77th General Orientation Course of four week duration for the newly appointed College and University Assistant Professors at the UGC-HRDC, University of Kashmir from December 26th, 2017 to January 23rd, 2018.
8. As **Course Coordinator** organized 78th General Orientation Course of four week duration for the newly appointed College and University Assistant

Professors at the UGC-HRDC, University of Kashmir from February 1st, 2018 to March 1st, 2018.

9. As **Coordinator** organized and conducted a panel discussion on "Taming Science and Technology Policy for fostering Innovation and Entrepreneurship" during 13th J&K Science Congress held at the University of Kashmir on April 4th, 2018
10. As **Course Coordinator** organized 79th General Orientation Course of four week duration for the newly appointed College and University Assistant Professors at the UGC-HRDC, University of Kashmir from June 25th, 2017 to July 24th, 2018.
11. As **Course Coordinator** organized 80th General Orientation Course of four week duration for the newly appointed College and University Assistant Professors at the UGC-HRDC, University of Kashmir from September 28th, 2018 to November 1st, 2018.
12. As **Course Coordinator** organized 81st General Orientation Course of four week duration for the newly appointed College and University Assistant Professors at the UGC-HRDC, University of Kashmir from November 12th, 2018 to December 13th, 2018.
13. As **Course Coordinator** organized 82nd General Orientation Course of four week duration for the newly appointed College and University Assistant Professors at the UGC-HRDC, University of Kashmir from February 25th, 2019 to March 26th, 2019.
14. As **NRC/Project Coordinator** assisted in developing MOOC in Arts and Humanities by UGC-HRDC, University of Kashmir in collaboration with EMMRC, UoK under ARPIT Programme of UGC/MHRD that is considered equivalent to a Refresher Course for CAS promotions.
15. As **Course Coordinator** organized Refresher Course in Gender Studies of three weeks duration for senior faculty of colleges and universities from across India at UGC-Human Resource Development Centre, University of Kashmir from March 8th to March 28th, 2018.
16. As **Course Coordinator** organized 83rd General Orientation Course of four weeks duration for the newly appointed College and University Assistant Professors at the UGC-HRDC, University of Kashmir from July 9th to July 30th, 2019.
17. As **Course Coordinator** organized a three-day workshop on Community Engagement in collaboration with Mahatma Gandhi National Council for Rural

Education (MGNCRE) during 83rd General Orientation Course at UGC-HRDC, University of Kashmir from July 17-20, 2019.

18. As **Course Coordinator** organized Refresher Course in Science of two weeks duration for faculty members of various colleges and universities of J&K, at the UGC-HRDC, University of Kashmir from December 16th to December 30th, 2019.
19. As **Course Coordinator** organized 84th General Orientation Course of three weeks duration for the newly appointed College and University teachers at the UGC-HRDC, University of Kashmir from February 20 to March 12, 2020.
20. As **Course Coordinator** organized Refresher Course in Science (in online mode using Zoom platform) of two weeks duration for faculty members of various colleges and universities, belonging to diverse streams of science at for UGC-HRDC, University of Kashmir from January 2 to 15, 2021.
21. As **Course Coordinator** designed, organized and successfully conducted first Faculty Induction Programme (85th General Orientation Course) of four weeks duration for the newly recruited college and university teachers at the UGC-HRDC, University of Kashmir from March 2 to 29, 2021 in online mode.
22. As **Course Coordinator** designed, organized and successfully conducted second two-day workshop for nominated Career Counsellors and Placement Officers of the Centre for Career Planning and Counselling (CCPC), University of Kashmir in collaboration with Tata Advanced Systems Limited (TASL), Hyderabad from August 27-28, 2021.

27) ONLINE COURSES/INTERNATIONAL WEBINARS ORGANIZED FOR TEACHERS DURING COVID-19 LOCKDOWN:

1. As **Organizing Secretary** organized International Webinar Series Lecture-I on, "Systematic reviews and meta-analysis" that was delivered by **Prof. Zaheer-ud-Din Babar**, Professor of Medicines and Healthcare, Director of the Centre for Pharmaceutical Policy and Research, University of Huddersfield, UK on June 28th, 2020 on Google Meet that was attended by more than 250 participants.
2. As **Organizing Secretary** organized International Webinar Series Lecture-II on, "Pharmacy profession in India: present status and future challenges" that was delivered by **Prof. B. Suresh**, President, Pharmacy Council of India and Pro-Chancellor, JSS Academy of Higher Education and Research, Mysuru on July 14th, 2020 on Zoom platform that was attended by more than 1000 participants.
3. As **Organizing Secretary** organized International Webinar Series Lecture-III on, "Writing proposals for research grants" that was delivered by **Dr. Sadaf Munshi**, Professor and Chair, Department of Linguistics, College of Information, University of North Texas, USA on July 20th, 2020 on Zoom platform that was attended by more than 600 participants.

4. As **Organizing Secretary** organized International Webinar Series Lecture-IV on, "Social Prescribing: Transforming doctor-patient relationship" that was delivered by **Dr. Tasaduq Hussain Mir**, faculty at the Department of Family and Clinical Medicine, UT Southwestern Medical Centre and Chair of the Adult Medicine Services Centre, Parkland Hospital, Dallas, USA on July 14th, 2020 on Zoom platform that was attended by more than 1000 participants.
5. As **HRDC Coordinator** organized week-long online Faculty Development Programme on Cloud Computing for the Computer Science, Engineering and IT faculty from July 20 to 25, 2020 that was attended by 27 participants. Course was conducted on Zoom platform and coordinated by **Dr. Rana Hashmy** of the Dept. of Computer Sciences, University of Kashmir.
6. As **HRDC Coordinator** organized Refresher Course in Science (in online mode using Zoom platform) of two weeks duration for faculty members of various colleges and universities, belonging to diverse streams of science at for UGC-HRDC, University of Kashmir from January 2 to 15, 2021.
7. As **Director, CCPC, University of Kashmir** organized a webinar on "Preparing smartly and gaining momentum to achieve the goal of cracking IAS", for Civil service aspirants undergoing coaching at the Centre for Career Planning and Counselling (CCPC), University of Kashmir on August 14, 2021 in which lecture was delivered by Dr. Shahid Ali Choudhary, Commissioner-Secretary, Tribal Affairs, Mission Director, Mission Youth, Jammu and Kashmir government.
8. As **Director, CCPC, University of Kashmir** organized a webinar on "Counselling and mental health" for Career Counsellors and Placement Officers of the University on July 15, 2021 in which lectures were delivered by Dr. Arshad Hussain and Dr. Masood Maqbool of the Dept. of Psychiatry, Govt. Medical College, Srinagar.
9. As **Director, CCPC, University of Kashmir** organized two-day training workshop on "Career Counselling" for 25 Career Counsellors and Placement Officers of the University of Kashmir and its satellite campuses in collaboration with Tata Advanced Systems Ltd., Bangaluru in physical mode at the Dept. of Library and Information Sciences, University of Kashmir.

28) ONLINE CONFERENCES/INTERNATIONAL WEBINARS ATTENDED DURING COVID-19 LOCKDOWN:

1. Attended webinar on "**3D printing in healthcare during COVID-19 pandemic**" organized jointly by JSS College of Pharmacy, Mysuru and Special Interest Group of 3D printing in healthcare, JSS Academy of Higher Education and Research on June 30th, 2020.
2. Attended International e-Conference on "**Empowering Pharmacists to Serve Current Healthcare Requirements**" organized by Indian Pharmaceutical

Association (IPA), U.P. State Branch jointly with HR Institute of Pharmacy, Ghaziabad and Cliniminds, Institute of Health Sciences Training & Management on 12 July, 2020.

3. Attended international webinar on the theme **“Innovative strategies for pharmacists in Covid-19”**. The webinar covered new things being done by practicing pharmacists, researches being conducted and other new possibilities. The webinar was hosted by Karnataka Regd. Pharmacists Association, Mysuru and R R College of Pharmacy, Bangalore on July 13th, 2020.
4. Attended a webinar/live interactive session on **“Strategies for post-pandemic pharmacy education: moving early and responding strongly”**, organized jointly by the Indian Pharmaceutical Association, Education Division, JSS Academy of Higher Education and Research and Chebrolu Hanumaiah Institute of Pharmaceutical Sciences and Vikas Institute of Pharmaceutical Sciences on July 18th, 2020.
5. Attended online international webinar series lecture-I on **“Systematic reviews and meta-analysis”** organized by the Department of Pharmaceutical Sciences, in collaboration with UGC-Human Resource Development Centre, University of Kashmir, on June 28th, 2020 that was delivered by Prof. Zaheer-Ud-Din Babar, Professor of Medicines and Healthcare, Director, Centre of Pharmaceutical Policy and Research, University of Huddersfield, UK.
6. Attended online international webinar series lecture-II on **“Pharmacy Profession in India: present status and future challenges”** that was delivered by Prof. B. Suresh, President, Pharmacy Council of India and Pro-Chancellor, JSS Academy of Higher Education and Research, Mysuru on July 14th, 2020 on Zoom platform that was attended by more than 1000 participants.
7. Attended International Webinar Series Lecture-III on, **“Writing proposals for research grants”** that was delivered by Dr. Sadaf Munshi, Professor and Chair, Department of Linguistics, College of Information, University of North Texas, USA on July 20th, 2020 on Zoom platform that was attended by more than 600 participants.
8. Attended International Webinar Series Lecture-IV on, **“Social Prescribing: Transforming doctor-patient relationship”** that was delivered by Dr. Tasaduq Hussain Mir, faculty at the Department of Family and Clinical Medicine, UT Southwestern Medical Centre and Chair of the Adult Medicine Services Centre, Parkland Hospital, Dallas, USA on July 14th, 2020 on Zoom platform that was attended by more than 1000 participants.
9. Attended a day-long webinar on **“Economic green methods in the field of pharmaceutical formulations, analysis, extraction, synthesis etc by novel**

application of mixed solvency concept” organized by Vivek College of Technical Education, Bijnor, U.P. on July 29, 2020.

10. Attended virtual workshop of the BMJ International Forum on Quality and Safety in Healthcare on, **"Improving patient safety post-pandemic"** on July 30th, 2020 organized by BMJ Institute for Healthcare Improvement.
11. Attended online **International Conference on Pharmacovigilance and Clinical Research** from August 1 to 2, 2020, organized by Ashok Rao Mane College of Pharmacy, Pethvadagaon in association with Indian Pharmaceutical Association, Kolhapur Branch on August 1 and 2, 2020.
12. Attended annual **Indian Congress of Pharmacy Practice 2020** and fourth Global Virtual Convention of the Indian Association of Colleges of Pharmacy (IACP) organized by the JSSAHER, Mysuru online from August 1st to 2nd, 2020.
13. Attended international webinar on the theme **Innovative strategies for pharmacists in Covid-19**. The webinar covered new things being done by practicing pharmacists, researches being conducted and other new possibilities. The webinar was hosted by **Karnataka Regd. Pharmacists Association, Mysuru and R R College of Pharmacy, Bangalore on 13.7.2020**.
14. Attended an **International e-Conference on "Empowering Pharmacists to Serve Current Healthcare Requirements"** organized by Indian Pharmaceutical Association (IPA), U.P. State Branch jointly with HR Institute of Pharmacy, Ghaziabad and Cliniminds, Institute of Health Sciences Training & Management on **12 July, 2020**.
15. Attended three-day **IPA advanced certificate course for Practicing Pharmacists**, organized by Indian Pharmaceutical Association (IPA) in collaboration with Serdia Pharmaceutical (India) Pvt. Ltd. from 12th to 14th August, 2020.
16. Attended an AICTE Sponsored **"International E- Conference on Pharmacy Practice and Therapeutics"** organized by Nirmala College of Pharmacy on 19th & 20th August, 2020 in collaboration with Wilkes University, USA and Myongji University, South Korea.
17. Attended a **sensitization programme on Biotechnology Ignition Grant** offered by the Association of Pharmaceutical Teachers of India (APTI) on August 7, 2020.
18. Attended a virtual colloquium on **"Health Sciences Professional Courses: Differentiating factors in higher education during the pandemic crisis"**, organized by the Centre for Continuous Learning for Professional Experience JSS Academy of Higher Education and Research, Mysuru on August 7-8, 2020.

19. Attended a webinar on “**applications of bio-informatics in medicinal plant sciences**” organized by JSS College of Pharmacy, Mysuru on August 10, 2020.
20. Attended a webinar on, “**Leading COVID-19 management in hospitals: lessons learnt**”, organized by the Department of Health System Management Studies, JSS Academy of Higher Education and Research, Mysuru on October 2, 2020.
21. Attended a national level webinar on, “**Best practice of clinical and community pharmacists for better patient care**”, organized by the Ashokrao Mane College of Pharmacy, Peth Vadgaon in association with The Indian Hospital Pharmacists Association, New Delhi on August 23, 2020.
22. Attended an International webinar on “**Drug Regulatory Affairs – Indian and The US Scenarios**” on 27th August, 2020, organised by Chebrolu Hanumaiah Institute of Pharmaceutical Sciences, Guntur in Association with Indian Pharmaceutical Association, Education Division and Indian Pharmaceutical Association, Regulatory Affairs Division.
23. Attended a webinar on “**Inequities in pharmacy education – the way forward**”, delivered by **Prof. B. Suresh, President, Pharmacy Council of India** and organized by the Vivek College of Technical Education, Bijnor on August 14, 2020.
24. Attended “The BMJ International Forum on Quality and Safety in Healthcare” virtual workshops held in collaboration with the Institute for Healthcare Improvement, UK on, “**Improving safety post-pandemic**” on July 30, 2020; on “**Leadership and culture for change during COVID-19**” on August 6, 2020; on “**Doing more with less – reducing waste and improving quality**” on August 13, 2020.
25. Attended two-day **Indian Congress of Pharmacy Practice 2020 and 4th IACP Convention on August 1 and 2, 2020**, organized by the Indian Association of Colleges of Pharmacy.
26. Attended week-long eFDP and eSDP on “**Advances in Pharmaceutical Research**” organized by the Dept. of Pharmacognosy and Phytochemistry, Bapatla College of Pharmacy, Guntur, A.P., India in association with IPA Education Division and Indian Pharmaceutical Association (IPA) from August 13 to 18, 2020.
27. Attended a four-day virtual conference organized jointly by the Symbiosis International University and Association of Indian Universities on “**Internationalization of higher education: blended education as a catalyst**” from April 6-9, 2021 on zoom platform.
28. Attended an Orientation Programme on “**Effects of use, dependency and prevention of drugs**” in educational institutions of Kashmir” organized by the Zain-

ul-Abideen Technical Training Centre in collaboration with Mission Director, ICPS, J&K and University of Kashmir on June 21-22, 2021.

29. Attended two-day training course of 15 credits of the **International Certified Career Coach Programme** (Foundation Level-I) on “**Career Counselling**” organized by Mindler in online mode on July 23-24, 2021.
30. Attended national webinar entitled, “**From good to great teacher**” delivered by Dr. B. Suresh, President, Pharmacy Council of India and Pro-Chancellor, JSS Academy of Higher Education and Research, Mysuru, organized by **Caritas College of Pharmacy, Ettumanoor, Kottayam** on June 25, 2021.
31. Attended **two-day NAAC Assessors Orientation Programme (AOP)** organized jointly by the **National Assessment and Accreditation Council (NAAC)** and the **Central University of Kashmir**, at varsity’s Tulmulla Campus on September 15-16, 2021.
32. Attended “**India's First E-conclave for Online Learning in Pharmacy Education**” and participated in the Panel Discussion on “**Blended Mode in Pharmacy Education**” on September 18, 2021.
33. Attended **4th Annual Conference of the MPPCOS Society** in virtual mode from November 20-21, 2021.
34. Attended online **National Workshop on “Social responsibility and community engagement in higher education institutions: policies and practices”** organized by Department of Educational Policy, National Institute of Educational Planning and Administration (NIEPA), New Delhi on August 4-5, 2022.

29) **Financial Assistance Received:**

- 1) **Amount:** 5.88 lacs
Funding Agency: Public Health Foundation of India, New Delhi
Purpose: To conduct pan-India study on "Baseline Evaluation of Access to Medicines across nine Indian states" in the state of Jammu and Kashmir.
- 2) **Amount:** 1.80 lacs
Funding Agency: University Grants Commission, India
Purpose: Minor Research Project
- 3) **Amount:** 1.20 lacs
Funding Agency: University of Kashmir
Purpose: To attend third International Conference for Improving Use of Medicines, held at Antalya, Turkey between November 14-18, 2011 and presented an accepted paper.

- 4) **Amount:** 1.65 lacs
Funding Agency: WHO-SEARO
Purpose: To attend second Asia Pacific Conference on National Medicines Policies, held at Sydney, Australia between May 26-29, 2012 and presented an accepted paper.
- 5) **Amount:** 1.95 lacs
Funding Agency: International Society of Pharmacovigilance (ISOP)
Purpose: To attend 12th annual conference of the International Society of Pharmacovigilance (ISOP), to be held at Cancun, Mexico during October 30th to November 2nd, 2012 and present two papers there.
- 6) **Amount:** 8 lacs
Funding Agency: Indian Council of Medical Research (ICMR), New Delhi
Purpose: Fellowship of Ph.D. Scholar Shafiq Rasool for the research project entitled, “Design and development of a Universal Health Coverage Policy framework for Jammu and Kashmir” to be completed within three years from 2020 to 2023.

TOTAL GRANTS SECURED: 17.48 LACS

30) Memoranda of Understanding (MoUs) signed:

- *Sher-i-Kashmir Institute of Medical Sciences (SKIMS), Srinagar for sharing of resources and conduct of collaborative programmes on August 26, 2021.*
- *Central Wakf Council, New Delhi for financial assistance to the civil service aspirants undergoing coaching at the Centre for Career Planning and Counselling, University of Kashmir.*
- *Mission Youth Jammu and Kashmir for financial assistance to the civil service aspirants undergoing coaching at the Centre for Career Planning and Counselling, University of Kashmir.*
- *Tata Advanced Systems Limited (TASL), Hyderabad for conducting recruitment drives and training sessions for career counsellors, placement officers, students and scholars of the University of Kashmir.*
- *Tata Consultancy Services (TCS), Mumbai and University of Kashmir through Centre for Career Planning and Counselling (CCPC) on February 18, 2022 for education, skilling, entrepreneurship and capacity-building of youth of J&K by way of Youth Employment Program, goIT & Ignite My Future program, Adult Literacy Program, Bridge IT Program – specially curated on Tourism and other CSR programs that focus on Employability, Entrepreneurship, Education, and skill building.*

31) Campus Recruitment Drives organized at CCPC, University of Kashmir:

1. *Organized a campus recruitment drive for graduates and post-graduates of the University by ExtraMarks Pvt. Ltd. for the position of School Relationship Officer on April 7, 2022. A total of 12 candidates were shortlisted during the drive.*
2. *Organized a campus recruitment drive for mechanical engineers of the Institute of Technology, Zakura by Tata Advanced Systems Ltd. (TASL), Hyderabad on April 12, 2022 during which seven candidates were shortlisted by the leading aeronautical engineering company of India.*
3. *Organized a campus recruitment drive for engineering and management students of the University by Serv Staffing Pvt. Ltd. on May 16, 2022 at CCPC wherein 30 students were shortlisted for placement.*
4. *Organized a campus recruitment drive in collaboration with the Dept. of Pharmaceutical Sciences for pharmacy graduates and post-graduates by Glenmark Pharmaceutical Pvt. Ltd., on May 26, 2022 in which five students were selected by the company.*
5. *Organized a campus recruitment drive in collaboration with the Dept. of Computer Sciences for computer science graduates and post-graduates of the University by Hoping Minds Pvt. Ltd. on July 20, 2022 in which 30 students were shortlisted.*
6. *Organized a campus recruitment drive for engineering graduates of IoT, Zakura in collaboration with Indus Towers India Ltd. on November 4, 2022 wherein five engineering graduates were selected by the company but only two joined.*
7. *Organized a campus recruitment drive for engineering and management graduates of the university in collaboration with Clarivate Analytics USA Inc. from November 10-14, 2022 during which one student was selected on the basis of Hackerrank online test.*

32) NAAC Peer Team Visits Undertaken:

1. MGM Institute of Health Sciences, Navi Mumbai/Aurangabad on October 21-23, 2021 as a Member of the NAAC Peer Team.
2. Geethanjali College of Pharmacy, Cheeryal, Keesara, Hyderabad, Telangana on October 13-14, 2022 as Member-Coordinator of the NAAC Peer Team.
3. D.Y. Patil Deemed University, Navi Mumbai on November 3-5, 2022 as a Member-Coordinator of the NAAC Peer Team.
4. Aditya College of Pharmacy, Surampalem, East Godavari District, Andhra Pradesh February 22-23, 2023 as a Member-Coordinator of the NAAC Peer Team.
5. Delhi Pharmaceutical Science Research University (DPSRU), Pushp Vihar, Sector-3, New Delhi on July 20-22, 2023 as a Member-Coordinator of the NAAC Peer Team.
6. Brilliant Grammar School Educational Society's Group of Institutions - Integrated Campus Abdullapurmet, Hyderabad, Telangana on October 9-10, 2023 as Member-Coordinator of the NAAC Peer Team.

33) Future Action Plan:

- *To work for the establishment of a Pharmacovigilance and Adverse Drug Reaction Monitoring Centre in the Department of Pharmaceutical Sciences, University of Kashmir where ADR monitoring studies could be conducted in collaboration with premier healthcare institutions of the state like SK Institute of Medical Sciences, Srinagar and Govt. Medical College, Srinagar.*
- *To work extensively towards establishing pharmacovigilance centres, pharmaceutical care clinics, drug information centres, drug management policies, drugs and therapeutics committees, hospital formularies and rational drug use guidelines in all hospitals of J&K state.*
- *To conduct a survey on pricing and access of essential medicines using WHO-Health Action International (HAI) methodology in various districts of Kashmir province of J&K state.*
- *To establish Clinical Pharmacy Practice as a full-fledged profession in the state and to work towards establishment of Clinical Pharmacy Practice departments in all major hospitals of the state.*
- *To work towards employment of qualified pharmacy graduates and post-graduates in all government hospitals of the state so as to ensure assignment of proper role and responsibilities to qualified pharmacy professionals in the state for the benefit of patients by means of professionalized patient care services like patient counseling etc.*
- *To work towards full promulgation and implementation of a rational drug policy in the state of Jammu and Kashmir and ensure involvement of qualified pharmacy professional belonging to all streams like academia, industry, drug regulatory affairs, hospital pharmacy, drug testing etc in the decision-making process.*
- *To conduct Drug Utilization Evaluation studies in all areas of medicine and generate baseline information and evidence so as to pave way for adoption of suitable policies and necessary interventions towards promotion of equitable access and rational use of medicines in the region. To work intensively towards generation of evidence, translation of evidence into policies and implementation of policies into practice.*
- *To work for the establishment of Cytogenetics/Cell Biology Laboratory/Division within the Dept. of Pharmaceutical Sciences, University of Kashmir, where Salmonella Mutation Assay, Human Lymphocyte and mouse bone-marrow Chromosome Analysis, including micronucleus test, chromosome aberration test and sister chromatid exchange assay could be performed, for the purpose of studies on genotoxic effects of environmental pollutants, food mutagens & carcinogens, occupational chemicals etc.*
- *To conduct exhaustive research on the untapped antimutagenic and implied anticarcinogenic potential of medicinal flora of Kashmir-Himalayan region using in-*

vitro and in-vivo mutagenicity test systems like Salmonella Mutation Assay (in-vitro) and Mouse bone-marrow micronucleus test and chromosome aberration tests (in-vivo).

34) Future-Action Plan for the Centre for Career Planning and Counselling:

- *To professionally train all Career Counsellors and Placement Officers of the University of Kashmir and its satellite campuses as well as all its constituent and affiliated colleges in Career Counselling and get them certified by reputed Career Counselling agencies for enabling them to deliver their services professionally.*
- *To undertake career counselling and guidance of gold medalists/toppers of various departments of the University of the last five years and facilitate their coaching for various competitive examinations like IAS/KAS/NET/JRF/JEE.*
- *To create suitable online platforms/communication channels on the CCPC website for posting information about placements/job opportunities as well as opportunities for scholarships/fellowships/internships within and outside India for students.*
- *To create a database of the University pass-outs and track their career growth and progression for offering career guidance to them and facilitate their suitable placement and excellence in their respective fields.*
- *To start short- and long-term certificate, diploma and degree courses in Career Guidance of two-weeks, three-months and one-year duration at CCPC utilizing its infrastructure and generating revenue.*
- *To evolve career development as a full-fledged science and undertake research in Career Development, guidance and counselling at CCPC, University of Kashmir.*
- *To undertake Career Indexing, Career Mapping, Skill-gap Analysis, Psychometric Analysis of students besides career counselling, planning and development.*
- *To undertake skill enhancement and employability-enrichment programmes for the university pass-outs and promote language proficiency, communication and IT literacy skills among them.*
- *Sign Memorandum of Understanding with Central Wakf Council, Tata Consultancy Services and Mission Youth J&K for seeking financial assistance for coaching of students for various competitive examinations.*
- *Invite multi-national companies and corporates to conduct on-campus recruitment drives for the placement of university pass-outs.*
- *Conduct a series of webinars, interactive sessions with renowned achievers and reputed personalities for boosting the morale of trainees and aspirants of various competitive examinations.*
- *Take over control of scholars' hostel at main campus for residential accommodation of civil service and other aspirants/trainees of CCPC.*
- *Collaborate with private companies, industry and corporates for facilitating free training, internships and placement of students.*
- *To develop the available infrastructure of CCPC including installation of video conferencing and smart classroom facilities, automation of library with latest software, installation of air-conditioners and CCTVs at CCPC.*
- *Evolve CCPC as a Centre of Excellence with adequate teaching, non-teaching and technical staff, undertaking classwork/courses/research work in Career Development.*

REFERENCES:

1. Prof. Ravinder Nath Anisetti (Vice-Chancellor, Central University of Kashmir)
2. Prof. P.G. Yeole (Vice Chancellor, Babasaheb Ambedkar Marathwada University, Maharashtra)
3. Prof. Gajendra Singh (Pt. BDS University, Rohtak)
4. Prof. Vipin Saini (pro-VC, MMU, Solan, H.P.)
5. Prof. Rajesh Oswal (Principal, G.S. Moze College of Pharmacy, Pune)
6. Prof. Shubhini Saraf (Director, NIPER, Raibarielly, U.P)
7. Prof. Prafulla Sabale (RTM University, Nagpur)
8. Prof. Aseem Prakash Tikku (KGMC, Lucknow)
9. Prof. Suresh Bhojraj (Pro Vice-Chancellor, JSS University, Mysore)
10. Prof. Shobha Rani Hiremath (Dean, RGUHS, Bangaluru)
11. Prof. Akbar Masood (VC, BGSBU, Rajouri, J&K)
12. Prof. B. G. Shivananda (former, Principal, Al-Ameen College of Pharmacy, Bangaluru)
13. Prof. Nazir A. Ganie (Vice-Chancellor, SKUAST-Kashmir, Srinagar, J&K)
14. Smt. Lotika Khajuria (Drugs Controller, DFCO, J&K)
15. Prof. Milind Umekar (President, Association of Pharmaceutical Teachers of India)

(Prof. (Dr.) Mohammad Ishaq Geer)