

CURRICULUM VITÆ

PROF. IRSHAD A. NAWCHOO



Official Address: Department of Botany,
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Academic Qualification :

- Bachelor of Science (B.Sc) with Botany, Zoology, Chemistry and English 1981 in First Division University of Kashmir, Srinagar. (*S.P. College, Srinagar*)
- Master of Science (M.Sc) in Botany, 1983 in First Division, University of Kashmir, Srinagar. (*P. G. Department of Botany, University of Kashmir*)
- Master of Philosophy (M. Phil) in Botany “*Flora of Pulwama, Kashmir*” 1985 (*Under the supervision of Prof. P. Kachroo; P. G. Department of Botany, University of Kashmir*). Sponsored by BSI, as JRF
- Doctor of Philosophy (Ph. D) in Botany 1989 “*Herbal System of Medicine of Ladakh, J&K State*” (*Under the Supervision of Prof. G. M. Buth; P. G. Department of Botany, University of Kashmir*). Sponsored by ICAR, as JRF & SRF in a Project “*Traditional knowledge and commercial potential of Herbal Medicine among Ladakhi Communities*”

OFFICIAL DESCRIPTION

PRESENT DESIGNATIONS:

- ❖ Secretary, Jammu and Kashmir Academy of Sciences (JAKAS) 31st March 2018 till date
- ❖ Member Project Assessment Committee, UGC: 1st April, 2019 to 31st March, 2024
- ❖ Member, Project Assessment Committee, DST, Govt. of India 1st April, 2019 to 31st March, 2024
- ❖ Member NAAC Committee for assessing Universities and Colleges for accreditation w.e.f March 2018 till date

PRECISE PROFILE

- i. Total Number of Research Publication in Journals of repute, indexed with good impact factor: 242 (Two hundred and forty two)
- ii. Number of Books Published: 03(Three)
- iii. Citations as on 1-3-2025 :3341
- iv. H-index : 69
- v. I10 index : 110
- vi. Cumulative Impact factor : 120
- vii. Average impact factor : 5
- viii. Number of Projects Sponsored by DBT, DST, UGC, CSIR, GBPIHED, ICAR completed: 12 (Twelve)
- ix. Number of Ph. D's supervised and awarded: 30 (Thirty)
- x. Number of Ph. D Thesis submitted by Scholars under supervision: 02 (Two)
- xi. Number of Scholars under supervision: 04 (Four)
- xii. Number of Conferences/workshops participated and made joint Presentations: 79 (Seventy Nine)

- xiii. Number conferences participated and made individual Research Presentation: 69 (Sixty Nine)**
- xiv. Number of Conferences organized: 05 (Five)**
- xv. Number of Workshops organized: 02 (Two)**
- xvi. Number of Conferences, Seminars, Workshops attended as Chief guest and delivered Key note addresses: 31(Thirty one)**
- xvii. Number of National and International awards received: 08 (Eight)**
- xviii. Number of E-Films drafted, and made presentaions: 55 (Fiftyfive)**
- xix. Number MOOC Contents planned, composed and made National presentation on DD for UG Students on the subject “Economic Botany” which have been telecast twice so far: 49(Fortynine)**

FORMER DESIGNATIONS:

- ❖ **Dean Research, University of Kashmir, 29th of September, 2021 to 31st January, 2024**
- ❖ **Dean, School of Social Sciences, University of Kashmir 5th April, 2022 till 24th May, 2023**
- ❖ **Dean, School of Biological Sciences, University of Kashmir, 11th March, 2019 till 18th October, 2021**
- ❖ **Controller of Examinations, University of Kashmir 1st of January, 2021 to 31st March, 2022**
- ❖ **Head, Department of Botany, University of Kashmir: 9th October, 2012 to 8th October, 2015**
- ❖ **Director, Centre of Biodiversity and Plant Taxonomy (CBT): 9th October, 2012 to 8th October, 2015**
- ❖ **Coordinator J&K SET: 12th May 2017 to 21st June 2021**
- ❖ **Director University Landscape Development Division (ULDD): 1st March, 2011 to 23rd March, 2016**
- ❖ **Treasurer, Jammu and Kashmir Academy of Sciences (JAKAS) 1st March, 2014 to 30th March 2018**
- ❖ **Convener Admissions, University of Kashmir: 1st March, 2012 to 06th July, 2017**
- ❖ **Director Admissions and Competitive Examinations, University of Kashmir: 07th July, 2017 to 14th December, 2019**
- ❖ **Supervisor CSIR UGC NET: 1st June, 2013 to 31st December, 2018.**
- ❖ **Nodal Officer, DIQA, Department of Botany: 2007 to 2010**
- ❖ **Teacher In-charge Kashmir University Botanical Garden (KUBG): January, 2005 to December, 2009**

- ❖ Teacher In-charge High Altitude Herbal Garden, Gulmarg: January 2005, to December, 2009

MEMBER SHIP OF ACADEMIC BODIES

- ❖ Academic Council, University of Kashmir:
 - i. 9th October, 2012 to 8th October, 2015 (As Head, Department of Botany, University of Kashmir)
 - ii. 07th July, 2017 to 14th December, 2019 (As Director Admissions and Competitive Examinations, University of Kashmir)
 - iii. 11th March, 2019 to 10th March, 2022 (As Dean, School of Biological Sciences, University of Kashmir)
 - iv. 29th September, 2021 to 28th September, 2024 (As Dean, Research, University of Kashmir)
- ❖ Member, Academic Council, SKUAST, Kashmir 1st April 2021 to 31st March 2024.
- ❖ Member, Academic Council, SKUAST, Jammu 1st April 2021 to 31st March 2024.
- ❖ Member, Academic Council, University of Jammu, Jammu, 11th March, 2021 to 10th March, 2024
- ❖ Member, Academic Council, Islamia College of Science and Commerce, Srinagar, 1st March, 2017 to 31st March, 2022
- ❖ Member, Academic Council, GSBS University, Rajouri, Jammu 1st April 2022 to 31st March 2025.
- ❖ Executive Member “Biodiversity Management Committee” Srinagar Municipal Corporation, J & K. from 1ST April, 2022 to 31st March 2025
- ❖ Member, University Research Council, University of Kashmir:
 - i. 9th October, 2012 to 8th October, 2015 (As Head, Department of Botany)
 - ii. 11th March, 2019 to 10th March, 2022 (As Dean, School of Biological Sciences, University of Kashmir)
 - iii. 29th September, 2021 to 31st January, 2024 (As Dean Research, University of Kashmir)
- ❖ Member, Research Council, Baba Ghulam Shah Badshah University, Rajouri, 1st April, 2021 to 31st March, 2023
- ❖ Member Purchase Committee, Central University of Kashmir, April, 2018 to March, 2023

- ❖ **Member Finance Assessment Committee, Central University of Kashmir, April, 2018 to March, 2023**
- ❖ **Member, Board of Professional Entrance (BOPE), J&K, 10th October, 2012 to 9th October, 2015 and 11th March, 2019 to 10th March, 2022**
- ❖ **Member Board of PG Studies of Botany, University of Kashmir, March, 1997 till present**
- ❖ **Chairman, Board of PG, Studies of Botany, University of Kashmir, 9th October, 2012 to 8th October, 2015 (As Head, Department of Botany) and 11th March, 2019 to 10th March, 2022 (As Dean, School of Biological Sciences)**
- ❖ **Member, Board of UG Studies of Botany, University of Kashmir, March, 1997 till present**
- ❖ **Chairman, Board of UG studies of Botany, University of Kashmir, 9th October, 2012 to 9th of October, 2015 (As Head, Department of Botany) and 11th March, 2019 to 10th March, 2022 (As Dean, School of Biological Sciences)**
- ❖ **Member, Board of PG Studies of Bioresources, University of Kashmir, March 2009 till present**
- ❖ **Chariman, Board of PG Studies of Bioresources, University of Kashmir, 9th October, 2012 to 9th October, 2015 (As Head, Department of Botany) and 11th March, 2019 to 10th March, 2022 (As Dean, School of Biological Sciences)**
- ❖ **Member, Board of UG and PG Studies of Biochemistry and Clinical Biochemistry, University of Kashmir, March, 2012 to March, 2015 and 11th March, 2019 to 10th March, 2022 (As Dean, School of Biological Sciences)**
- ❖ **Member, Board of PG Studies of Zoology, University of Kashmir, January, 2014 to December, 2017 and 11th March, 2019 to 10th March, 2022 (As Dean, School of Biological Sciences)**
- ❖ **Member, Board of UG and PG Studies of Biotechnology, University of Kashmir, March, 2012 to March, 2015 and 11th March, 2019 to 10th March, 2022 (As Dean, School of Biological Sciences)**
- ❖ **Member, Board of UG and PG Studies of Botany, Islamia College of Science and Commerce, Srinagar: January 2018 to December 2021**
- ❖ **Member, Medicinal Plant Board of Jammu and Kashmir, January 2015 till present**

- ❖ **Member, Medicinal Plant Board of Ladakh Hill Development Council, Kargil, January, 2011 to December, 2015 and 11th March, 2019 to 10th March, 2022**
- ❖ **Member Admission Advisory Committee, University of Kashmir, 2018 till present**
- ❖ **Member allotment Committee, University of Kashmir, April, 2019 to March, 2021**
- ❖ **Chairman allotment Committee, University of Kashmir, April 2021 to March 2023**
- ❖ **Member Central Purchase Committee, University of Kashmir, April, 2019 to March, 2022**
- ❖ **Member, Academic Advisory Committee, University of Kashmir, March, 2020 to March 2023**
- ❖ **Member, University Academic Advisory Council, 9th March, 2019 to 8th March, 2022**

FIELD OF SPECIALIZATION

- ✓ **Economic Botany and Reproductive Biology**
- ✓ **Chemical Profiling and Genetic Diversity with special reference to Medicinal Plants**

Research Experience : 35 Years

Teaching Experience : 31 Years

Computer Knowledge: 25years experience of handling data through computer methods, exchange and maintenance of confidential data through e-banking

STRENGTHS

- Acting as **Head, PG Department of Botany, Dean School of Biological Sciences, Director Centre of Biodiversity and Taxonomy, Controller of Examinations, Dean Research, Coordinator JK SET, UGC CSIR NET** has given enough administrative and functional experience to handle important portfolios which are backbone of University functioning.
- As the **founder Director of Directorate of Admissions and Competitive Examinations** have strengthened the streamlining of admission of UG/PG and Research programmes in Kashmir University and allied and affiliated colleges and institutions.
- As **Controller of Examinations** have played a **Key role in organizing two Convocations within a span of one year for distribution of degree and merit certificates to candidates of 9years.** During these convocations **President of India, Lt. Governor of J & K, and Advisor to Lt. Governor namely Sh R. R. Bhatnagar** along many dignitaries were invited and participated in the same
- As member of the committee which created open access linkages with many institutions have been instrumental in giving strength to the University of Kashmir to facilitate conduct of not only its own entrance exams but also to conduct, **UGC NET, UGC-CSIR NET, JK SET, KAS, NEET,** and entrance for many Universities of north and south India.

- **Getting @12 Collaborative Research project sanctioned under my Principal Investigatorship** and run in co-operation with many universities like *JNU, Delhi University, Jammu University, Jamia Hamdard, Jamia Millia Islamia, IHBT, North Eastern Hill University, Shillong* has given a strength to establish a linkage with reputed labs and scientists which has strengthened my department in general and University of Kashmir in particular for upliftment of research theme and design.
- The funds that have been generated through these research projects have also facilitated establishment of **Kashmir University Botanical (KUBG)** and **High-altitude Botanical Garden at Gulmarg** with all facilities like Green house, pothouse, hothouse, polyhouse etc. These have in turn facilitated development of Conservation Protocol for **RET (Rare, Endangered and threatened)** plants. This conservatory establishment has strengthened exchange of resources and sharing of information with both national and international centres like **BSI** (Botanical Survey of India), **NBPGR** (National Bureau of Plant Genetic Resources), **IBPGR** (International Board of Plant Genetic Resources), **CIMAP** (Central Institute of Medicinal and Aromatic Plants) and **CDRI** (Central Drug Research Institute). This collaboration has been fruitful for drafting future plans for student and scholar's upliftment.
- Acting as **Convener of many Science Congress's, many seminars and workshops** as well as delivering key note address have been a key step in uplifting the career of many scholars and young budding scientists under the present era of job scarcity and competitive stress
- Acting as member of **Project Assessment and Approval Committee of UGC, DST, CSIR** has given a strength of acting as mentor of many young teachers of the University and affiliated colleges for sanctioning projects in their favour which in turn has uplifted infrastructure and other technical requirements in such institutions. This plan will in future uplift the whole educational system of J & K.
- As **Pioneering Director of University Landscape Development Division (ULDD)** initiated the concept of "**Green Campus is Dream Campus**" which has resulted in converting many portions in small Cedrus (Deodar) forests. Every year in months of spring season plantation has now become an annual activity of universal importance

MY VISION

- ❖ **My Vision and Mission for the University of Kashmir is to achieve excellence in the interrelated areas of undergraduate education, post-graduate education, research themes and plans and in public services. The university will be uplifted to provide superior and comprehensive educational opportunities at the baccalaureate through doctoral and special professional educational levels.**
- ❖ **The University will be uplifted to contribute towards the advancement of society through research, creative activity, scholarly inquiry and the development and dissemination of new knowledge, including the commercialization of University discoveries. The University will be uplifted to preserve and promote the arts, to create benefits for regional economy, to serve the citizens through public programs and through other public service.**
- ❖ **University of Kashmir comprises of a remarkable range of UG, PG, Professional programmes built on strong foundations of liberal arts and sciences. With support and oversight of leading academicians, I will continually emphasise the faculty to innovate education and research to ensure that we meet the needs of our students and an ever-changing world.**

To implement the University upliftment plans the strategies that will be followed are as under:

- **To create a transformative educational experience for students focused on deep disciplinary knowledge; problem solving; leadership, communication, and interpersonal skills; and personal health and well-being.**
- **To cultivate a transformative university community committed to (a) attracting and retaining diverse, world-class talent; (b) creating a collaborative environment open to the free exchange of ideas, where research, creativity, innovation, and entrepreneurship can flourish; and (c) ensuring individuals can achieve their full potential.**

- To impact society in a transformative way — regionally, nationally, and globally — by engaging with partners outside the traditional borders of the university campus.

The Core Purpose of my plan will be to transform lives of students and scholars for the benefit of society.

Core Values focused will be:

- ❖ **Learning** — *Cresting a caring academic community for all of us i.e students Scholars and teachers helping one another to grow.*
- ❖ **Discovery** — *Expanding knowledge and human understanding.*
- ❖ **Freedom** — *To seek the truth and express it.*
- ❖ **Leadership** — *The will to excel with integrity and the spirit that nothing is impossible.*
- ❖ **Individual Opportunity** — *Many options, diverse people and ideas, one university.*
- ❖ **Responsibility** — *To serve as a catalyst for positive change in University and beyond.*

Student Honour Code will be:

As a student of the University of Kashmir, all will be guided to abide by the core values of the University and uphold academic integrity.

University Code of Conduct:

I will emphasise that Each member of the University of Kashmir should uphold the core values through dedication, integrity, honesty, trust, fairness, and respect toward peers and community.

My priorities are:

- ✓ To meet the changing patterns of research and teaching activities that result from changes in the size and shape of University that has been achieved during the decade of upliftment
- ✓ To improve the utilization of space through new buildings designed for flexibility and shared use, and the effective sharing of existing teaching and research facilities
- ✓ To improve the condition and functional suitability of the estate by repurposing existing buildings which are vacated when new ones are built
- ✓ To reduce the running costs and carbon emissions across estate

- ✓ To enhance interstate, inter-institution, inter-continental collaboration in major and focused theme of research and academics which will uplift the University in general and younger generation in particular under present era of “Ever increasing demand”
- ✓ In addition to managing our existing infrastructure, there is an ever increasing demand for space because of our growing research activities. We can develop new buildings based on new theme of self-dependence by utilization of research funding.
- ✓ I will also prioritize to preserve our historical heritage buildings by undertaking full renovations as well as refurbishments

PRESENT AREAS OF RESEARCH:

- Reproductive Biology for Development of Agro-techniques for Conservation of some Rare, Endangered and Threatened (RET) Medicinal Plants of north west Himalaya
- Phyto-chemical variability in medicinal plants under *In situ* and *Ex situ* conditions
- Genetic diversity of important medicinal plants of north west Himalaya to identify elite genotypes
- Documentation of traditional knowledge related to identification of new natural resources as commercial products

WORKING SCHEDULE:

- Assistant Professor (Contractual): 15th April, 1991 to 12th March, 1997
- Assistant Professor (Substantive): 13th March, 1997 to 24th August, 2001
- Assistant Professor Senior Scale: 25th August, 2001 to 6th October, 2003
- Associate Professor: 7th October, 2003 to 6th October, 2009
- Professor: 07-10-2009 till Present
- Dean, School of Biological Sciences: 11th March, 2019 to 18th October, 2021
- Controller of Examination: 1st January, 2021 till 31st March 2022
- Dean Research, University of Kashmir, 29th September, 2021 to 31st January, 2024
- Dean School of Social Sciences, April 2022 to 24th May, 2023

MEMBERSHIP OF ACADEMIC BODIES:

- **Life Member Indian Botanical Society.**
- **Life Member of “Indian Science Congress Association”.**
- **Life Member Jammu and Kashmir Academy of Sciences (JAKAS).**
- **Life Member British Schools Exploring Society of the Royal Geographical Society, London (BSES).**
- **Life Member Association of Ethnobotanists of India, Lucknow (AEI).**
- **Life Member Botanical Society, University of Kashmir (KUBS).**
- **Secretary, Jammu and Kashmir Academy of Sciences (JAKAS).**
- **Life Member and Consultant Secretary, J & K Medicinal Plants Board.**
- **Executive Member cum Secretary Himalayan Ecological and Conservation Research Foundation (HECRF), Kargil.**
- **Life member of World Ethnobotanists Association, New York (WEBA).**
- **Life Member of the Society of Herbalists monitoring traditional MAP usage and potential, Austria (SHMTMAP)**
- **Associate member of Medicinal Plant Board, CIMAP, CSIR, Lucknow.**
- **Member of Project Assessment Committee of UGC, Govt. of India**
- **Member of Project Assessment of Committee DST, Govt. of India**
- **Member NBPGR, New Delhi for conservation and exchange of seed material of rare and endangered plants**

PROJECTS COMPLETED

1. *ETHNOBOTANICAL STUDIES ON LADAKH- ASSESSMENT OF ECONOMIC POTENTIAL OF WILD FLORA*

Sponsored by *Indian Council of Agricultural Research (ICAR), New Delhi*
Period: 1997-2000 (Rs. 23,50,000/-)

2. “ASSESSMENT OF PLANT DIVERSITY IN COLD ARID BIOSPEHERE RESERVE OF LADAKH AND IMPORTANCE OF ITS CONSERVATION IN SOCIO ECONOMIC DEVELOPMENT”

Sponsored by *Department of Environment and Forests, Govt. of India.*
Period: 2000 to 2003. (Rs.35,70,000/-)

3. “DEVELOPMENT OF CONSERVATION PROTOCOL, CHEMICAL PROFILE ANALYSIS, AND COMMERCIAL PRODUCTION OF SOME IMPORTANT MEDICINAL PLANTS OF KASHMIR HIMALAYA”

Sponsored by *Department of Biotechnology, Ministry of Science and Technology, Govt. of India in November*
Period: 2001-2004 (Rs.45,70,000/-)

4. “REPRODUCTIVE BIOLOGY AND CONSERVATION STRATEGIES OF SOME IMPORTANT AND ENDANGERED MEDICINAL PLANTS OF KASHMIR HIMALAYA”

Sponsored by *G. B. Pant Institute of Himalayan Environment and Development*
Period: 2002-2005 (Rs.32,000,00/-)

5. “LARGE SCALE PILOT PRODUCTION AND DEMONSTRATION OF ELITE *Aconitum heterophyllum* and *Gentiana kurroo*”

Sponsored by *Department of Biotechnology, Ministry of Science and Technology, Govt. of India*
Period: 2003-2006 (Rs.57,65,000/-)

6. “ESTABLISHMENT OF HIGH ALTITUDE BOTANICAL GARDEN AND MEDICINAL PLANT RESERVE AT GULMARG HERBAL GARDEN AND AT BOTANICAL GARDEN KASHMIR UNIVERSITY”

Sponsored by *KASHMIR UNIVERSITY*
Period: 1998-2015 (Rs.75,000,00/-)

7. “DEVELOPMENT OF AGROTECHNOLOGY FOR CORMLETS OF SMALLER SIZE CROCUS SATIVUS L.”

Sponsored by *Department of Biotechnology, Ministry of Science and Technology, Govt. of India.*

Period: 2012-2016 (Rs.54,95,000/-)

8. “CONVERGENCE OF TRADITIONAL KNOWLEDGE SYSTEM FOR SUSTAINABLE DEVELOPMENT IN HIMALAYAN REGION”

Sponsored by *Department of Science and Technology, Govt. of India*

Period: June 2015-June 2020 (Rs.78,90,500/-)

9. SPECIAL ASSISTANCE PROGRAMME-(SAP – Stage I) – “MEDICINAL PLANT DIVERSITY OF KASHMIR HIMALAYA”

Sponsored By University Grants Commission

Period: 01-03-2009 to 31-03-2014 (Rs. 75,000,00/-)

Acted as Deputy Coordinator from 2009 to 2013 and as Chief Coordinator from 2013 to 2014

10. SPECIAL ASSISTANCE PROGRAMME-(SAP – Stage II) – “MEDICINAL PLANT DIVERSITY OF KASHMIR HIMALAYA NAD DEVELOPMENT OF PROTOCOL FOR COMMERCIALIZATION USING INVITRO AND IN VIVO TECHNIQUES”

Sponsored By University Grants Commission

Period: 01-03-2015 to 31-03-2020 (Rs. 1,20,000,00/-)

Acted Chief Coordinator from 2015 to 2020)

LIST OF PROJECTS SUBMITTED AND UNDER REVIEW AT PRESENT

- 1. “ASSESSMENT OF PLANT DIVERSITY IN COLD ARID BIOSPHERE RESERVE OF LADAKH AND IMPORTANCE OF ITS CONSERVATION IN SOCIO ECONOMIC DEVELOPMENT”**

Submitted to **Department of Environment and Forests, Govt. of India, April, 2023.**

- 2. “DEVELOPMENT OF UNANI MEDICINAL PLANT RESERVE AT SRINAGAR AND CONSERVATION OF SOME SELECT UNANI MEDICINAL PLANTS”**

Submitted to **Central Council of Research on Unani Medicine (CCRUM) (Regional Research Institute of Unani Medicine), July, 2023**

RESEARCH GUIDANCE

PH. D. RESEARCH PROGRAMMES COMPLETED/AWARDED

S. No	Year of Award	Title of Thesis	Name of Scholar	Placement
31.	2024	<i>“Reproductive Ecology and Ex Situ Conservation of of Phytolacca acinosa Roxb.in Kashmir Himalaya”</i>	Mr. Junaid Ahmad Magray	
30.	2024	<i>“Morphological and Phytochemical Characterization of Bistorta amplexicaulis Greene in Different Habitats of Kashmir Himalay”</i>	Miss Hanan Javid	
29.	2024	<i>“Reproductive ecology and Ex Situ conservation of of Swertia petiolata Royle ex. D.Don- an important medicinal plant of Kashmir Himalay”</i>	Mr. Bilal Ahmad Wani	
28.	2024	<i>“Impact of Habitat Variability on Morpho-chemical Characters of Phlomis cashmeriana Royle ex. Benth.”</i>	Mr. Roof Ul Qadir	Assistant Professor (Contractual)
27.	2024	<i>“Studies on Taxonomic, Functional trait diversity and Ecosystem Services of the Flora of Overa-Aru wildlife Sanctuary, Kashmir Himalaya”</i>	Mr. Tajamul Islam	Assistant Professor
26.	2024	<i>“Phytochemical investigation of some medicinal plants of Ladakh, Jammu and Kashmir”</i>	Miss Shariqah Hijazi	Research Associate
25.	2024	<i>“Reproductive Biology and Conservation Strategies of Aconitum violaceum Jacq.ex Stapf. A Threatened Medicinal Plant of Ladakh Himalaya”</i>	Mr. Abdul Haadi	Assistant Professor (Contractual)
24.	2023	<i>“Reproductive Ecology and Ex Situ conservation of Actea kashmiriana J Compton in Kashmir Himalaya”</i>	Miss Sufiya Rashid	Assistant Professor (Contractual)
23.	2023	<i>“Reproductive Ecology and ex-situ conservation of Trillium govanianum Wall. ex. D.Don in Kashmir Himalaya”</i>	Miss Kausar Rshid	Assistant Professor (Contractual)
22.	2023	<i>“In vitro mutagenic studies of Atropa acuminata Royle ex. Lindle: An Important Medicinal Plant of Kashmir Himalaya”</i>	Mr. Shabir Ahmad Dar	Assistant Professor (Contractual)

21.	2022	<i>“Evaluation of Genetic Diversity in Lavatera cachmiriana Cambess. and Asplenium trichomonos L. from Kashmir”</i>	Miss Arifa Nabi	Assistant Professor (Contractual)
20.	2022	<i>“Impact of Habitat variability on Phytochemical Profile of Some Medicinal Plants of Kashmir Himalaya”</i>	Miss Sheema Zafar	Lecturer, School Education
19.	2022	<i>“Germplasm Assessment and Reproductive Biology of Delphinium denudatum Wallich ex. Hook. F & Thoms.- An Important Medicinal Plant of N. W. Himalaya”</i>	Mr. Tariq A. Bhat	Research Officer, RRIUM, Srinagar
18.	2020	<i>“Studies on Plant Resource Utilization in Some Aquatic Ecosystems of Kashmir Himalaya”</i>	Miss Afroza Hassan	Assistant Professor (Contractual)
17.	2019	<i>“Studies on Floristic Diversity and Distribution Patterns of Medicinal Flora in Kashmir Himalaya”</i>	Mr. Bilal A. Tali	Assistant Professor
16.	2019	<i>“Aquilegia nivalis Derived Active Principles as Modulators of Unfolded Protein Response in cancer cell lines”</i>	Miss Nazia Hilal	Research Associate
15.	2019	<i>“Morphological and phytochemical characterization of Skimmia anquetilia N.P. Taylor and Airy Shaw and Dictamnus albus L. in Kashmir Himalaya”</i>	Mrs. Saduf Nissar	Assistant Professor (Contractual)
14.	2019	<i>“Morphological and phytochemical characterization of Lavatera cashmeriana Camb. and Aralia cachemirica Decn. In Kashmir Himalaya”</i>	Mrs. Neelofar Majeed	Assistant Professor (Contractual)
13.	2018	<i>“Comparative Morphological and Phytochemical Studies on Ajuga bracteosa Wall ex. Benth. and Ajuga parviflora Benth.”</i>	Mrs. Shabana Gulzar	Sr. Assistant Professor
12.	2018	<i>“To Develop Double Herbicide Tolerant Rice Variety for Kashmir”</i>	Mr. Ubaid Yaqoob	Assistant Professor
11.	2018	<i>“Isolation, identification and culturing of endophytic fungi from few species of genus Artemisia for the Production of Bioactive fungal metabolites</i>	Mrs Humeera Nisa	Assistant Professor

10.	2018	<i>“Studies on Seed biology and In Vitro propagation strategies of Heracleum candicans Wall.-An Important Medicinal Plant of Kashmir Himalaya”</i>	Mrs Mahroofa Jan	Research Associate
9.	2018	<i>“Screening of Some Medicinal Plants Against Experimentally Induced Coccidial Infection in Broilers”</i>	Mrs Shazia Ahad	Lecturer Hr. Sec.
8.	2017	<i>“Morphological and Genotypic Variations in Hypericum perforatum Linn. Growing Along an Altitudinal Gradient in Kashmir”</i>	Mr. Mudasir Yousuf Bhat	Lecturer Hr. Sec.
7.	2014	<i>“Studies on Reproductive Biology of Some Species of Genus Inula L. in Kashmir Himalaya”</i>	Mr. Peerzada Arshid Shabir	Assistant Professor
6.	2014	<i>“A Study on Mating Systems of Some Medicinal Plants of Kashmir Himalaya”</i>	Mr. Aabid Mohi-ud-Din Rather	Lecturer Hr. Sec.
5.	2010	<i>“Studies on Reproductive Biology of Atropa acuminata Royle ex. Lindl. Rheum emodi Wall ex. Meissn and Inula royleana Clarke. Three Critically Endangered Medicinal Plants of N. W. Himalayas”.</i>	Mr. Parvaize A Wani	District Education Officer (DEO)
4.	2010	<i>“Development of Agro-techniques and Tissue culture Protocol for Cultivation and Conservation of Two Important Medicinal Plants Angelica glauca Edgew and Rosmarinus officinalis Linn.”</i>	Mrs. Sadaf Nisar	Sr. Assistant Professor
3.	2009	<i>“Studies on Reproductive Biology to Develop Suitable Conservation Strategies for Maintenance and Multiplication of Picrorhiza kurrooa Benth. and Aconitum chasmanthum Stapf. Ex Holmes”</i>	Mr. G. G. Mohi-Ud-Din	Sr.Assistant Professor
2.	2008	<i>“Assesment of the Reproductive Strategies of Arnebia benthamii (Wall. Ex. G. Don) I.M. Johnston- an important and highly endangered North West Himalayan Medicinal Plant and Development of Protocol for its Ex Situ Conservation”.</i>	Mr. Khursheed A. Ganai	Associate Professor
1.	2007	<i>“Conservation Biology and Elementary Pharmacognosy of Aconitum</i>	Mr. Showkat Yousuf Beigh	Associate Professor

		<i>heterophyllum and Podophyllum hexandrum – two endangered medicinal plants of N. W. Himalaya”.</i>		
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**PH. D. RESEARCH PROGRAMMES COMPLETE AND THESIS
SUBMITTED**

S. No.	Year of Reg.	Title	Name
32.	2020	<i>“Bioprospection and Reproductive Biology of Prangos pabularia”</i>	Mr. Mubariz Javed
CSIR UGC NET Qualified Joined for Ph.D on in 2022 and 2023.			
33.	18-7-2022	<i>Phytochemical profiling of Dolomiaea macrocephala DC ex Royle in Kashmir Himalaya, utilization of seed biology and in vitro propagation for its conservation.</i>	Miss. Rather Ruheela Rasool
34.	18-7-2022	<i>Conservation strategies and phytochemical analysis of Aralia cashmerica Decne across different habitats of Kashmir Himalaya.</i>	Miss. Bazilla Farooq
35.	28-08-2023	<i>Eco-physiological and Phytochemical Studies of Dactylorhiza hatagirea (D.Don) Soo: An Important Medicinal Orchid from Kashmir Himalaya.</i>	Mr. Rohid Rasheed
36.	01-9-2023	<i>Floristic diversity of Hemis National Park, Ladakh Himalaya</i>	Mr. Mohammad Mehdi

M. PHIL. RESEARCH PROGRAMMES COMPLETED

29.	2017	<i>“Livestock Grazing in Kashmir Himalaya: Responses in Reproductive Traits of Some Important Medicinal Plants”</i>	Mr. Feroz Ahmad
28.	2017	<i>“Phytochemical Investigation of Medicinal Plant Ephedra gerardiana and Herbal Drug Jawarish Sada Amla”</i>	Miss Shajrat Mohi-Ud-Din
27.	2016	<i>“Screening and Evaluation of Indigenous Plants and Herbs of Kashmir as Potent Modulations of Unfolded Protein Response”</i>	Miss Nazia Hilal
26.	2016	<i>“Floristic Studies on Main Campus of University of Kashmir”</i>	Mr. Maroof Hamid
25.	2016	<i>“Studies on Reproductive Biology of Paeonia emodi Wall ex Royle – An Important Medicinal Plant Grown in Kashmir Himalaya”</i>	Miss Sumeera Nazir

24.	2016	<i>“Impact of Altitudinal Gradient on Some Phytochemical Constituents of Skimmia anquetilia N.P. Taylor and Airy Shaw in Kashmir Himalaya”</i>	Miss Saduf Nissar
23.	2016	<i>“Altitudinal Variation in Some Phytochemical Constituents of Lavatera cashmeriana Camb. In Kashmir Himalaya”</i>	Miss Neelofar Majid
22.	2016	<i>“Studies on Reproductive Biology of Epilobium hirsutum L. in Kashmir Himalaya”</i>	Miss Asma Ashraf
21.	2016	<i>“Studies on Reproductive Biology of Euphorbia wallichii Hook. F.- An Important Medicinal Plant Species of Kashmir Himalaya”</i>	Miss Afroza Hassan
20.	2012	<i>“Impact of Habitats on Growth of Hyoscyamus niger L. in Kashmir Himalaya”</i>	Miss Sheema Zafar
19.	2012	<i>“Reproductive Biology of Ajuga bracteosa Wallich ex Benth in Kashmir Valley”</i>	Mr. Ali Abbas Rather
18.	2012	<i>“Development of Ex Situ Conservation Strategies for Fritillaria roylei Hook.f.”</i>	Miss. Hadiya Shafi
17.	2012	<i>“Reproductive Biology of Ferula jaeschkeana Vatke in Kashmir Valley”</i>	Mr. Ubaid Yaqoob
16.	2012	<i>“Development of ex situ Conservation Strategies for Jurinea dolomiaea Boiss.</i>	Ms. Asma Banday
15.	2012	<i>“Reproductive Biology of Hyoscyamus niger Linn.”</i>	Mr. Arshid Iqbal
14.	2012	<i>“Development of Ex Situ Conservation Strategies for Tribulus terrestris Linn.”</i>	Ms. Nighat Shafi
13.	2012	<i>“Altitudinal Variation in Some Phytochemical Constituents of Primula denticulate Sm. In Kashmir Valley”.</i>	Miss. Khaleefa Aslam
12.	2011	<i>“Population Status of Some Threatened Medicinal Plants of Kashmir Himalaya, India”</i>	Mr. Bilal Ahmad Tali
11.	2011	<i>“Development of Ex Situ Conservation Strategies for Achillea millefolium Linn.”</i>	Miss. Najy Khursheed
10.	2011	<i>“Studies on Reproductive Biology of Peganum harmala L.”</i>	Miss. Nida Aslam
9.	2011	<i>“Survey and Ecological Analysis of Selected Medicinal Plant of Kangan Forest Area, Ganderbal, J & K”</i>	Miss. Ishrat Gul
8.	2011	<i>“Induction of Mutations in Trigonella foenum graecum – An Important Medicinal Plant of North West Himalayas”</i>	Miss. Shugufta Bashir

7.	2011	<i>“Reproductive Biology of Inula racemosa Hook. F.”</i>	Mr. Peerzada Arshid Shabir
6.	2011	<i>“Reproductive Biology of Valeriana jatamansi Jones”</i>	Mr. Aabid Mohi-ud-din Rather
5.	2005	<i>“Reproductive Biology of Saussurea costus- An Endangered Medicinal Plant of N. W. Himalayas”</i>	Mr. G.G Mohi Ud Din
4.	2004	<i>“Studies on the Seed Biology for Developing Conservation Strategies for Dioscorea deltoidea- A Threatened Medicinal Plant of Kashmir Himalaya”</i>	Miss Muzamil Yousuf Wani
3.	2004	<i>“Development of Agro-techniques for Conservation of Picrorhiza kurrooa- A Threatened Medicinal Plant of North West Himalaya”</i>	Miss Shazia Mushtaq
2.	2004	<i>“Studies on Seed Biology for Developing Conservation Strategies for Atropa acuminata – a Threatened Medicinal Plant of Kashmir Himalaya”</i>	Miss Fahima Andrabi
1.	2003	<i>“Development of Agrotechniques for Cultivation and Conservation of Arnebia benthamii- an Endangered Medicinal Plant of Kashmir Himalaya”</i>	Mr. Khursheed A. Ganai

FILMS FOR EMMRC

After discussing and drafting a plan with Director and Producers of EMMRC, University of Kashmir acted as the Script Writer cum Subject Expert cum Resource Person for following Educational Films for EMMRC, from 1991 to 2010. All these have telecast on DD both at National and State level with each receiving positive and appreciating remarks. One of these movies --- *The Dal Looking for Life* has won a National award.

1.	<i>Wicker Works Industry of Kashmir and its potential</i>	- 1997
2.	<i>Medicinal Plants of Kashmir</i>	-1998
3.	<i>Art of wood carving</i>	-1999
4.	<i>The Story of Bat</i>	-1999
5.	<i>The story of silk</i>	-2000
6.	<i>Story of Typha – (Nadur)(i)</i>	-2000
7.	<i>Story of Typa-(Nadur) (ii)</i>	-2000
8.	<i>The Dal – looking for life (National Award winning documentary)</i>	-2000
9.	<i>Understanding Photosynthesis</i>	-2005

10.	<i>Ladakh- the Pangong Lake</i>	-2005
11.	<i>Waiting for Lama</i>	-2005
12.	<i>Preparation of Garden-I</i>	-2006
13.	<i>Preparation of Garden-ii</i>	-2006
14.	<i>Preparation of Garden-iii</i>	-2006
15.	<i>Introduction to Floriculture-I</i>	-2006
16.	<i>Introduction to Floriculture-ii</i>	-2006
17.	<i>The Tulips-I</i>	-2006
18.	<i>The Tulips-ii</i>	-2006
19.	<i>The Roses-I</i>	-2006
20.	<i>The Roses-ii</i>	-2006
21.	<i>The Panzy</i>	-2006
22.	<i>The Dahlia</i>	-2006
23.	<i>The Gladiolus</i>	-2006
24.	<i>The Canna</i>	-2006
25.	<i>Preparation of Pots for ornamentals</i>	-2007
26.	<i>Maintenance of Pots</i>	-2007
27.	<i>The Geranium (Pelargonium)</i>	-2007
28.	<i>The Fuchsia</i>	-2007
29.	<i>The Godetia</i>	-2007
30.	<i>The Gazalia</i>	-2007
31.	<i>The Begonia</i>	-2007
32.	<i>The Carnation</i>	-2007
33.	<i>History of Herbal Medicine-1</i>	-2008
34.	<i>History of Herbal Medicine-2</i>	-2008
35.	<i>History of Herbal Medicine- 3</i>	-2008
36.	<i>Medicnal Plants-1 Podophyllum hexandrum</i>	-2008
37.	<i>Medicinal Plants -2 Saussurea costus</i>	-2008
38.	<i>Medicinal Plants -3 Arnebia benthamii</i>	-2008
39.	<i>Medicinal Plants-4 Dioscorea deltoidea</i>	-2008
40.	<i>Medicinal Plants-5 Gentiana kurroo</i>	-2008
41.	<i>Medicinal Plants-6 Rosmarinus officinalis</i>	-2008
42.	<i>Medicinal Plants-7 Aconitum chasmanthum</i>	-2009
43.	<i>Medicinal Plants-8 Picrorhiza kurrooa</i>	-2009
44.	<i>Medicinal Plants-9 Atropa acuminata</i>	-2009
45.	<i>Medicinal Plants-10 Rheum emodi</i>	-2009

46.	<i>Medicinal Plants-11 Aconitum heterophyllum</i>	-2009
47.	<i>Medicinal Plants-12 Inula racemosa</i>	-2009
48.	<i>Green House-I</i>	-2009
49.	<i>Green House-II</i>	-2009
50.	<i>Plant Extinction</i>	-2009
51.	<i>Plant Conservation methods and Strategies</i>	-2009
52.	<i>In Situ Conservation of Plant Resources</i>	-2010
53.	<i>Ex Situ Conservation of Plant Resources</i>	-2010
54.	<i>Algae- Economic Importance</i>	-2010
55.	<i>Volvox- Life Cycle</i>	-2010

EMMRC MOOC CONTENT

MOOC title:	Economic Botany
Name of the Producer:	Mr Inamul Rehman
MOOC Coordinator:	Prof. Irshad Ahmad Nawchoo
Total number of Contents:	48

Acted as subject expert to draft and edit the MOOC content produced by EMMRC, University of Kashmir, Srinagar, on the subject of Economic Botany which was telecast on Doordarshan National Channel from 1st of June 2019 in following sequence and later on re-telecast in the year 2022-23

DESCRIPTION:

The course “*Economic Botany*” is a core course in B.Sc. Botany under the Choice Based Credit System (CBSE). The course is specially designed to supplement and enhance the understanding of students about different dimensions of plant identification as a resource for self-sustenance, their domestication, commercialization based on the need and induction of modification using modern techniques. Starting from basic concept of Plant resource identification, their domestication and commercialization and ultimately culminating with genetic manipulation for self-dependence.

COURSE OBJECTIVES:

The objectives of this course are to give the target students/audience an understanding of:

- Centres of origin of cultivated plants
- Domestication of important plants as an important resource for dependence
- Development of different techniques for Crop commercialization and modification as per the needs
- Identification of new resources for utilization to facilitate the survival of ever growing human population
- Introduction of new crops and induction of need based manipulation
- Divergence of nature dependence to identify different resources for survival under diverse habitats across the different continents

S. No	MOOC CONTENT
	Edited and telecast on DD from 1 st of June 2019 to 30 th September 2019 and repeated from June 2022 to August 2022
1	Introductory Lecture on Plant Resource utilization
2	Vavilov's Centre's of origin
3	Evolution of Crops
4	Crop domestication and loss of Genetic Diversity
5	Wheat and its products
6	Rice: Botany, cultivation and economic importance
7	Rice fields
8	Milling of Rice and its by-products
9	Sugars– as information molecules
10	Sugarcane: Botany, cultivation, and its economic importance
11	Genetically modified crops
12	Fats and oils
13	Essential oils: General account, extraction methods, comparison with fatty oils and their uses.
14	Eucalyptus essential oils
15	Sandalwood essential oil
16	Rosa essential oil
17	Mustard: Botany, cultivation, and economic importance
18	General description, classification, extraction, uses and health implications of linseed oil
19	Brief Account of Millets
20	Economic importance of fennel

21	Timber: general account with special reference to teak and pine
22	Timber extraction–mining, dams, and their effects on forests, and tribal people: case studies
23	Legumes: Structure and composition
24	Processing of legumes
25	Pigeon pea: Origin, morphology and uses.
26	Chickpea: Origin, morphology and uses
27	Starch: Commercial sources and productivity
28	Potato: Botany, cultivation, and economic importance
29	Cinchona: Botany and uses
29	Soybean: General description, classification, extraction, uses, and health implications
31	Economic importance of Clove and Black pepper
32	Spices and Condiments: General account
33	Spices –Classification, trade, flavors, processing, and quality
34	Medicinal plants: General account
35	Green gold of Kashmir Himalayas: Medicinal herbs
36	Therapeutic and habit forming drug: <i>Cannabis</i>
37	<i>Digitals</i> : General Account
38	<i>Papaver</i> : General Account
39	Tobacco: Morphology, processing, uses and health hazards
40	Cotton: Botany, cultivation, and economic importance
41	Jute: Cultivation and economic importance
42	Coconut: Botany, cultivation, and economic importance
43	Coir: Morphology, extraction and uses
44	Coffee: Botany, cultivation, and processing
45	Rubber: Botany, cultivation, processing, and uses
46	Simple sugars
47	Firewood and timber sources
48	DNA damage
49	Projected risks & benefits of genetically modified crops

EXTRA CURRICULAR ACTIVITIES

- **Supervisor CSIR-UGC NET:** Started conduct of UGC NET at Kashmir University, initially for Arts and Social Science subjects. Subsequently initiated the shifting of centre for CSIR-UGC NET to University of Kashmir successfully in collaboration with IIM, Sanat Nagar, Srinagar. Since 2013 have actively conducted the same till 2020.
- **Member College Council of The Islamia College of Science and Commerce, Srinagar an autonomous college with effect from 11-5-2015 to 10-5-2020**
- **Project Review Committee:** Have been nominated as a member of Project review Committee of University Grants Commission since 2013. I have participated in three meetings so far to check the progress and make recommendations for upliftment of infrastructures and other related activities in different Universities under UGC packages.
- **Coordinator Special Assistance Programme (SAP), UGC.** Have been coordinating the SAP activities in the Department of Botany for the last three years wherein have made two annual report presentations as well as final presentation on completion of 5yrs of Stage I. Applied for stage II and was granted stage II SAP assistance for a duration of 5yrs to the Department of Botany worth Rs.1.2crore.
- **Inter State/country collaboration:** Have been actively collaborating with National research institutions and research centres viz. NBPGR, New Delhi; University of Delhi, Delhi; Jamia Hamdard, New Delhi; Punjab University, Patiala for research activities, sharing of data and providing facilities to the researchers from these sites. Have actively collaborated with John Viston Research Centre, New York for sharing data and collaborative research work on Medicinal Plant
- **Admission committee:** Have been actively involved in the PG Admission of the University of Kashmir, right from the day it was started under the supervision of Prof. S. Farooq (Ex- Dean Academic Affairs, Dean Faculty of Sciences, University of Kashmir). At present am the member of the admission committee and am actively involved in the entrance conduct, evaluation, data compilation and processing for onward submission to the concerned Deans and Heads of different Departments/Faculties of the University of Kashmir.
- **Teacher Incharge of the admission in Department of Botany.** All the work related to the selection processes i.e collection of admission forms, preparation of the

list, submission of the same to the Dean, Faculty of Sciences, preparation of merit list after receiving the award roll from the Dean faculty of Sciences and admission process as per proper process is carried out (1996-2007).

- **Teacher Incharge UG and PG Syllabi.** All the work regarding the preparation of the syllabi for B.Sc and M.Sc level is taken up. Meetings are organized in a proper plan and the syllabi and prepared in recognition of the recommendations of the Boards and distributed to concerned authorities as per schedule. (1998-2010)
- **Teacher Incharge Kashmir University Botanical Garden (KUBG):**The establishment of two medicinal plant herbal gardens at Gulmarg and Kashmir University have been taken up and so far about 150 important and endangered medicinal plants have been raised at the two selected sites. The emphasis is on developing a potential productive site of the same.(2005-2010)
- **Teacher Incharge Collaborative activity:** All the activity regarding the establishment of an interdisciplinary approach with specific centres and Universities is undertaken through the proper internet and communicative activities. Over the last few years a lot of collaborative activities have been achieved so as to establish an inter University as well as interdepartmental activity. The most significant achievement is the Project on important and endangered medicinal plants which is collaborative project of 5 different centres as Kashmir University, G.B. Pant Institute of Himalayan Environment and Development, Delhi University, Botanical Survey of India, Calcutta and Uttranchal University (2002-2011).
- **Treasurer J & K Academy of Sciences (JAKAS):** To maintain the activity of JAKAS have been a Treasurer for the last 5 years. It has been one of the basic activities to maintain the JAKAS as a whole and publication and distribution of the half yearly journal “*Oriental Science*”. The Academy has successfully conducted annual meetings of the groups of the members and successfully published the said journal over the last 9 years.

ORIENTATION/REFRESHER COURSES ATTENDED

- Attended UGC Refresher Course organized by Academic Staff College, University of Kashmir, from 29-12-1994 to 28-01-1995
- Attended General Orientation Course organized by Academic Staff College, University of Kashmir, from 01-08-1996 to 31-08-1996.

WORKSHOPS ORGANIZED

1. *“5-Day Innovation in Science Pursuit for Inspire Research Camp (INSPIRE)”* at University of Kashmir from 27-31 July, 2011 – *Co-organizer (Incharge Felicitation Committee)*
2. *“5-Day Innovation in Science Pursuit for Inspire Research Camp (INSPIRE), Phase-II”* at University of Kashmir from 24-28 February 2012 – Co-organizer (*Incharge. Catering Committee & ii. Science Block for conduct of all sessions*)

CONFERENCES ORGANISED

1. *“8th JK Science Congress”* at University of Kashmir from 17th to 19th September 2012 (*Co-Convener*).
2. *“Regional Science Congress and 9th JK Science Congress”* from 1st to 3rd October, 2013 (*Joint-Convener*).
3. *“11th JK Science Congress 2015”* at University of Kashmir from 12th to 14th October 2015 (*Co-Convener*).
4. *“National Seminar on Himalayan Biodiversity, organized by Centre for Kashmir Himalayan Biodiversity: Documentation, Bioprospection & Conservation”*, University of Kashmir on 18th & 19th September 2017 (*Co-Convener*).
5. *“13th Session of Jammu and Kashmir Science Congress”* at University of Kashmir from 2nd to 4th April 2018 [*Area Coordinator of Plant Sciences (Co-Convener)*].

AWARDS/CERTIFICATES RECEIVED

1. Received "Certificate of Appreciation" for participating as Chief Guest in five day workshop on "Science-Policy-Society-Interface" organized by Department of Environmental Science, University of Kashmir and Govt. Degree College for Women, Sopore from 5th to 9th December, 2022
2. Received "Award of Honour" for chairing the Validictory function of One day National Conference on Increasing Relevance of the Convention on Elimination of All forms of Discrimination against Women, by Department of Law on 1st December, 2022
3. Received "Award of Appreciation" for being part of Awareness programme "Breast Cancer Screening cum awareness Programme organized by Department of Bioresources on 3rd November, 2022
4. Received "Award of Appreciation" for participation as Chief Patron in the National Conference on Changing Dimesnions of Scholarly Communication & Role of Libraries to Attain inclusive Knowledge Society, by Department of Library and Information Sciences from 6-7th September, 2022
5. Received "Certificate of Appreciation" for participating as Chief Guest in two day online workshop organized by Department of English, University of Kashmir from 10th to 11th May 2022.
6. Received "Certificate of Appreciation" from University of Kashmir as Controller of Examinations of University of Kashmir, for outstanding Contribution in organizing the Annual Convocation of the University on 27th July 2021 and Special Convocation on 25th August 2021.
7. Confered "Excellent Assessment Grade" award by Internal Quality Assurance Cell (IQAC) of DIQA, University of Kashmir, in the year 2006 based on student assessment report getting more then >37 i.e>75%.
8. Obtaining "Annual U.N Information Test award" from United Schools Oragnization of India (VEC for the United Nations) by qualifying the test conducted by USO wing of U.N. Information Council obtaining 62% marks.

BOOKS/BOOK CHAPTERS PUBLISHED

1. Irshad A. Nawchoo and P. Kachroo 1995. “*Flora of Pulwama, Kashmir*”. Bishen Singh Mahendrapal Singh, Dehra Dun.
2. Irshad A. Nawchoo, B. A. Wafai, and Parvaze A. Wani. 2006. “*Aconitum heterophyllum Wall. Ex Royle - A Monograph*”. Department of Biotechnology, Ministry of Science and Technology, Govt. of India, New Delhi
3. Peerzada Arshid Shabir, Irshad A. Nawchoo, and Aijaz A. Wani. 2017. “*Banding Techniques in Chromosome Analysis*” Springer, New Delhi ISSN 978-81-322-3671-9.

RESEARCH PAPERS PUBLISHED

S. No.	Authors	Title of the Paper
2024		
245	Roof Ul Qadir, Irshad Ahmad Bhat, Hanan Javid, Bilal Ahmad Wani, Junaid Ahmad Magray, Irshad A. Nawchoo , and Shabana Gulzar	Understanding the plant assemblages of <i>Phlomis cashmeriana</i> Royle ex Benth. in the Kashmir Himalaya. <i>Discover Plants</i> 1:50 ISSN 3005-1207 https://doi.org/10.1007/s44372-024-00051-w
244	Junaid A. Magray, Bilal A. Wani Tajamul Islam, Hanan Javid Aijaz Hassan Ganie, Rouf Ul Qadir and Irshad A. Nawchoo	From Sprouting to Senescence: Phenological Chronicles of <i>Phytolacca acinosa</i> Roxb. in the Himalayan Highlands. <i>Research Square</i> ISSN 2693-5015 https://doi.org/10.21203/rs.3.rs-5008493/v1
243	Bilal A. Wani✉, Junaid A. Magray, Aijaz H. Ganie, Roof-Ul- Qadir, Hanan Javid and Irshad A. Nawchoo	Studies on phyto-ecological attributes and soil parameters of <i>Swertia thomsonii</i> C.B. Clarke assemblages in Kashmir Himalaya. <i>Nordic Journal of Botany</i> .doi: 10.1111/njb.04398 ISSN 0107-055X
242	Tajamul Islam, Anzar A Khuroo, Debabrata Maity and Irshad A Nawchoo	<i>Swertia patnitopiansis</i> , a new synonym of <i>S. cordata</i> (Gentianaceae) <i>Phytotaxa</i> : 664 (2): 132-138; ISSN 1179-3155 https://org/10.11646/phytotaxa. 664.2.5 ISSN 1179-3163
241	Romaan Nazir, Roof Ul Qadir, Mytollah Yousuf, Phalisteen Sultan, Irshad A Nawchoo and Qazi Parvaiz Hassan	Exploring the efficacy of hormonal treatments and pre-sowing techniques on seed germination of <i>Salvia rosmarinus</i> Spenn. <i>Journal of Applied Research on Medicinal and Aromatic Plants</i> : 42 : https://doi.org/10.1016/j.jarmap.2024.100564

240	Hanan Javid, Ishrat Shaheen, Roof Ul Qadir, Junaid A Magray, Bilal A Wani, Irshad A Nawchoo and Shabana Gulzar	A comprehensive review on ethnomedicinal, phytochemical and pharmacological properties of genus <i>Bistorta</i> (L.) Scop. <i>Fitoterapia</i> . https://doi.org/10.1016/j.fitote.2024.105977
239	Hanan Javid, Roof Ul Qadir, Junaid A Magray, Bilal A Wani, Irshad A Nawchoo and Shabana Gulzar	Variability in morphology, phytochemicals and antioxidant activity in <i>Bistorta amplexicaulis</i> (D.Don) Greene populations under variable habitats and altitudes. <i>Natural Product Research</i> 38(4):563-580. https://doi.org/10.1080/14786419.2023.2181802
238	Junaid A Magray, Bilal A Wani, Hanan Javid, Tajamul Islam, Aijaz H Ganie, Roof Ul Qadir and Irshad A Nawchoo	Vegetative propagation of <i>Phytolacca acinosa</i> Roxb. by rhizome cuttings: a step towards conservation and cultivation approach. <i>Frontiers in Conservation Science</i> : doi:10.3389/fcosc.2024.1386204
237	Bilal A Wani, Junaid A Magray, Aijaz H Ganie, Sufiya Rashid, Roof Ul Qadir, Hanan Javid and Irshad A Nawchoo	Seed biology imperative for conservation and restoration of <i>Swertia thomsonii</i> C.B. Clarke—an endemic medicinal plant of Himalaya. <i>Environ Monit Assess</i> https://doi.org/10.1007/s10661-024-12632-z
236	Roof Ul Qadir, Irshad A Bhat, Hanan Javid, Bilal A Wani, Junaid A Magray, Irshad A Nawchoo and Shabana Gulzar	Exploring morphological variability, <i>in vitro</i> antioxidant potential, and HR-LCMS phytochemical profiling of <i>Phlomis cashmeriana</i> Royle ex Benth. across different habitats of Kashmir Himalaya. <i>Environ Monit Assess</i> . https://doi.org/10.1007/s10661-024-12338-2
235	Tajamul Islam, Bilal A Rasray, Anzar A Khuroo, Aijaz H Ganie, Muzamil A Mugal and Irshad A Nawchoo	<i>Swertia kashmirensis</i> subsp. <i>darii</i> (Gentianaceae), a new taxon from Kashmir Himalaya, India. <i>Phytotaxa</i> 638(1): 79-86. ISSN 1179-3155. https://doi.org/10.11646/phytotaxa.638.1.7
234	Shariqah Hijazi, Irshad A Nawchoo , Shahid Ud Din Wani, Iqbal Zargar and Wajaht A Shah	Phytochemical profile, cytotoxic assay, antibacterial activity and <i>In silico</i> evaluation of essential oil extracted from <i>Nepeta nervosa</i> , blue common catmint. <i>Analytical Chemistry Letters</i> 14(1): 98-111: https://doi.org/10.1080/22297928.2023.2288032
233	Tajamul Islam, Maroof Hamid, Irshad A Nawchoo and Anzar A Khuroo	Leaf Functional traits vary among growth forms and vegetation zones in the Himalaya. <i>Science of the Total Environment</i> 906.

		https://doi.org/10.1016/j.scitotenv.2023.167274 .
2023		
232	Tajamul Islam, Maroof Hamid, Anzar A Khuroo and Irshad A Nawchoo	Functional trait diversity and above ground biomass of herbaceous vegetation in temperate forests of Kashmir Himalaya. <i>Environ Monit Assess.</i> https://doi.org/10.1007/s10661-023-12215-4
231	Shazia Ahad, Syed Tanveer, Irshad A Nawchoo and Tauseef Ahmad Malik	Coccidiosis in poultry- A review. <i>Life Science Journal</i> 20 (7): 43-49. ISSN 2372-613X
230	Kausar Rashid, Sufiya Rashid, Tajamul Islam, Aijaz H Ganai, Irshad A Nawchoo and Anzar A Khuroo	Hidden from the harsh: Below ground preformation prior to winter determines life history strategy of a temperate perennial herb. <i>Flora.</i> https://doi.org/10.1016/j.flora.2023.152387 ISSN 0367-2530
229	Sufiya Rashid, Kausar Rashid, Aijaz H Ganai, Irshad A Nawchoo , Mudassir A Tantray and Anzar A Khuroo	A review of the genus <i>Actaea</i> L.: ethnomedicinal uses, phytochemical and pharmacological properties. <i>Journal of Herbal Medicine</i> 41 :100690. https://doi.org/10.1016/j.herbmed.2023.100690 ISSN 2210-8033
228	Tajamul Islam, Irshad A Nawchoo and Anzar A Khuroo	Community perception and Management of Ecosystem Services in protected area in Kashmir Himalaya. <i>Human Ecology</i> https://doi.org/10.1007/s10661-023-11739-z ISSN 1572-9915
227	Tajamul Islam, Liyaqat Ali, Irshad A Nawchoo and Anzar A Khuroo	Diversity and utilization patterns of fodder resources in Himalayan protected area. <i>Environ Monit Assess</i> https://doi.org/10.1007/s10745-023-00439-4 ISSN 1573-2959
226	Tajamul Islam, Maroof Hamid, Irshad A Nawchoo and Anzar A Khuroo	Leaf functional traits vary among growth forms and vegetation zones in the Himalaya. <i>Science of the Total Environment</i> https://doi.org/10.1016/J.scitotenv.2023-167274 ISSN 0048-9697
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65	Parvaize A. Wani, Khursheed A. Ganai, G.G. Mohi-ud Din, Irshad A. Nawchoo and B. A. Wafai.	Reproductive Biology – A prescription to the Biodiversity threats. <i>Proceedings of the Second J & K Science Congress</i> , University of Kashmir. Pp 191-197.
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58	Showkat Yousuf Beigh, Irshad A. Nawchoo and	Cultivation and Conservation of <i>Aconitum heterophyllum</i> : A critically Endangered

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53	Showkat Yousuf Beigh and Irshad A. Nawchoo .	Ethnobotany of Kashmir Studies on traditional veterinary medicine in Kashmir Himalayas, J & K State, India. <i>In Bioresources: Concerns and Conservation</i> (eds. Azra Nahid Kamili and A. R. Yousuf) pp. 345- 352.
52	Showkat Yousuf Beigh, Irshad A. Nawchoo and M. Iqbal.	Herbal Drugs in India: Past and Present. <i>Journal of Tropical Medicinal Plants</i> : 3 (2): 113-132. ISSN 1511-8525
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46	Showkat Yousuf Beigh, M. Iqbal and Irshad A. Nawchoo.	Seed Germination and Seedling Survival of <i>Aconitum heterophyllum</i> (Ranunculaceae)- An endangered Medicinal plant of N. W. Himalaya. Indian Journal Plant Physiology. 7 (2): 109-113. I.A.R.I. New Delhi. ISSN 0019-5502
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38	Irshad A. Nawchoo .	Commercial Cultivation of Medicinal Plants- a modern concept. <i>Proceedings of the seminar on Conservation and Development of Medicinal and Aromatic plants</i> . 116-127. State Medicinal Plants Board.
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35	Showkat Yousuf Beigh, M. Iqbal and Irshad A. Nawchoo .	<i>In vitro</i> Seed Germination Studies on <i>Podophyllum hexandrum</i> Royle- An Endangered Medicinal Plant of North West Himalaya. <i>Fitoterapia</i> . 35 (2): 114-121. Italy. ISSN 0367-326X
34	B. A. Wafai and Irshad A. Nawchoo	Conservation Strategies of Some Invaluable and Endangered Medicinal Herbs of Kashmir. <i>Proceedings of Golden Jubilee Symposium</i> held

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30	Shugufta Parveen and Irshad A. Nawchoo	Species Extinction and Conservation-A National Concern. <i>J. Insight into Educational Research</i> . 7 (1):124-134. Kashmir ISSN 0883-0355
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23	Irshad A. Nawchoo and G. M. Buth.	Studies on Medicinal Plants used by Gujjar and Bakarwal Tribes of Jammu and Kashmir State-India. In K. C. Sahni (ed.) <i>Advances in Plant Sciences Research</i> . Pp. 191-203. Dehra Dun.
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20	Irshad A. Nawchoo and G. M. Buth	Plants in relation to socio-culture of Ladakh. <i>J. Bomb. Nat. Hist. Soc. 76</i> : 245-253. Bombay. ISSN 0006-6982
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13	Irshad A. Nawchoo and G. M. Buth.	Medicinal System of Ladakh, India. <i>J. Ethnopharmacology</i> 26 : 137-146. USA. ISSN 0378-8741
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9	G. M. Buth and Irshad A. Nawchoo	Ethnobotany of Ladakh (India)- Plants Used in Health Care. <i>J. Ethnobiology</i> 8 (2): 185-194. Tucson, USA. ISSN 1746-4269 ISSN 1746-4269
8	G. M. Buth and Irshad A. Nawchoo	Ethnobotanical Exploration of Ladakh, J & K. <i>J. Phytol. Res.</i> 1 (1): 69-76. Bharatpur. ISSN 0970-5767
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4	Irshad A. Nawchoo and G.M. Buth.	Seed and Fruit characteristics of some Weeds of Kashmir- I. <i>J. Pl. Anat. Morph.</i> 3 (1): 21-33. Jodhpur. ISSN 0139-231X

3	Irshad A. Nawchoo and G.M. Buth.	Seed and Fruit Characteristics of some weeds of Kashmir-II. <i>J. Pl. Anat. Morph.</i> 3 (2): 113-122. Jodhpur. ISSN 0139-231X
2	Irshad A. Nawchoo and P. Kachroo.	Phenology of the vegetation of Pulwama (Kashmir, India). <i>The Indian Forester.</i> 112 (90): 833- 839. Dehra Dun. ISSN 0019-4816
1	Irshad A. Nawchoo and P. Kachroo .	Biospectral Analysis of the Vegetation of Pulwama, Kashmir. <i>J. Econ. Tax. Bot.</i> 11 (2): 407-412. Jodhpur. ISSN 2050-9768

RESEARCH PAPERS PRESENTED IN CONFERENCES/SEMINARS/WORKSHOPS

S.No	Authors	Title of Presentation
2024		
69	Irshad A Nawchoo	Participated in two day workshop on <i>“Empowering Women in STEM: Bridging Opportunities in Jammu and Kashmir”</i> from 28 th to 29 th of August 2024, organized by Department of Botany and chaired a session <i>“Bridging Science and Business: Navigating the path from Innovation to Industry”</i>
68	Irshad A Nawchoo	Participated in the week long Skill development programmes: <i>“Empowering Potential, Fostering Futures: Building Entrepreneurs for Self Employment”</i> 18 th March to 23 March, 2024 and delivered a lecture <i>“Medicinal Plants-A commercial source of Valley of Kashmir-Potential and Prospects”</i>
67	Irshad A Nawchoo	Participated in the UGC Malaviya Mission Teacher training Centre programme <i>“NEP Orientation and Sensitization Programme”</i> from 3 rd to 12 th June, 2024 and delivered a

		lecture of <i>“Information and Communication Technology”</i> on 6 th June 2024
66	Irshad A Nawchoo	Participated in the UGC Malaviya Mission Teacher training Centre programme “NEP Orientation and Sensitization Programme” from 3 rd to 12 th June, 2024 and delivered a lecture of <i>“Drafting, submitting and presenting the projects for entrepreneurship development”</i> on 11 th June 2024
2023		
65	Irshad A Nawchoo	Participated in the two day day <i>“Travelling International Film Festival”</i> organized by EMRC, University of Kashmir on 16 th – 17 th , May, 2023 as a Guest of honour at the inaugural session, highlighted various initiatives taken by the University of Kashmir to hassle-free academic progression of women students and research scholars.
64	Irshad A Nawchoo	Participated in 2 nd Faculty Orientation Programme, SKIMS and presented a paper <i>“Role of basic Research in Medicine”</i> on 15 th of May 2023
63	Irshad A Nawchoo	Participated and acted a chairperson in session of National Workshop on <i>“Earth Observation for Climatic Services”</i> organized by National Remote Sensing Centre, ISRO, Hyderabad and University of Kashmir, on 4 th May 2023
64	Irshad A Nawchoo	Acted as a Co-chairperson and delivered a key note Address in <i>“World Press Freedom Day”</i> organized by MERC, University of Kashmir, On 3 rd May, 2023
63	Irshad A Nawchoo	Delivered a key note address on world water day on <i>“Accelerating Change to solve the water and sanitation Crises”</i> organized by Department of Environmental Sciences University Kashmir on 20 th the March, 2023
62	Irshad A Nawchoo	Delivered a Key note address in the Validatory function of the International Conference on <i>“Recent advances in Business</i>

		<i>Management and Data Analytics” from 15-16th March 2023 organized by Department of Management Studeis, University of Kashmir</i>
61	Irshad A Nawchoo	<i>Delivered a key note address in the Innaugural function of the three day workshop on “Wrap up of tools and techniques in Microbiology” organized by Department of Microbiology, University of Kashmir from 15-17 of March , 2023</i>
60	Irshad A Nawchoo	<i>Delivered a key note address in “Sensitization and training of male administrative staff of Kashmir University” organized by General Administration and Social work from 15-18th March, 2023</i>
59	Irshad A Nawchoo	<i>Delivered a presidential address in the Validictory session of the Two day National Seminar on “Creating Inclusive and sustainable Urban Spaces: Urbanization and Urban Planning in India with special referencve to Kashmir” organized by Department of Political Science, University of Kashmir from 13-14th March, 2023</i>
58	Irshad A Nawchoo	<i>Delivered an introductory lecture in the two day National Seminar on “Interfaith Dialogue and Common Harmony: Challenges and Prospects” organized bY Shah-I-Hamadan Institute of Islamic studies from 8-9th March, 2023</i>
57	Irshad A Nawchoo	<i>Participated as Special Guest in “International Women’s Day with the theme –DIGITAL DIVIDE- organized by Department of Education, University of Kashmir on 8th March, 2023</i>
56	Irshad A Nawchoo	<i>Participated as Chief Guest in “Kashmir Festival” organized by Gujarat University, Ahmadabad, from 1-3rd March, 2023 and delivered Key note address wherein Shri Amit Singh (Hon’ble Union Minister of Home Affairs) and Dr. Jitendra Singh (Hon’ble Minister of State of Prime Minister’s office) also were present and appreciated efforts of Kashmir University</i>
55	Irshad A Nawchoo	<i>Delivered special address in the Innaugural</i>

		function of <i>“Domestic Violence”</i> organized by Centre of Women’s Studies and Research , on 21 st Febraury, 2023
54	Irshad A Nawchoo	Delivered a lecture in <i>“Turnip Innovation Festival, 2023”</i> an online worshop organized by Turnip Innovations Pvt Ltd. On 21 st January, 2023
2022		
53	Irshad A Nawchoo	<i>“How to Formulate a Research Question”</i> A key not lecture delivered at SKIMS Soura, in 3 rd Annual SKIMS Research day, on 28 th December, 2022
52	Irshad A Nawchoo	Delivered a Key not address on <i>“Research Formulation, project submission and collaborative Research”</i> in a 20 day training programme organized by Department of Geoinformatics, University of Kashmir, on 21 st of December, 2022.
51	Irshad A Nawchoo	<i>“Science and Technology: A Society and Policy interface for better World”</i> An invited lecture delivered in 5day workshop on <i>“Science-Policy-Society-Interface”</i> organized by Department of Environmental Science, University of Kashmir and Govt. Degree College for Women, Sopore on 8 th December, 2022
50	Irshad A Nawchoo	Delivered a Keynote Address on <i>“Legal rights of Women”</i> in a One day National Seminar on <i>“Increasing Relevance of the Convention on the Elimination of All forms of Discrimination against Women (CEDAW) organized by School of Law, University of Kashmir on 1st of December, 2022</i>
49	Irshad A Nawchoo	Delivered a key note address on <i>“Peace Education”</i> during launching of the Peace Education APP/WEB by Department of Social work, on 1 st December, 2022
48	Irshad A Nawchoo	Delivered a Keynote address on <i>“Law Education and its relevance to Social Changes”</i> in a One day Seminar on <i>“Law, Justice and Social Change”</i> organized by Department of Law on 18 th

		November, 2022.
47	Irshad A Nawchoo	Delivered a Keynote address on “ <i>Research Methodology for Scocial Sciences</i> ” in Ten Day Research Methodology Course for Scholars in Social Sciences organized by Central University of Kashmir on 14 th November, 2022
46	Irshad A Nawchoo	Delivered a lecture “ <i>Himalayan Biodiversity with special reference to MAP’s</i> ” in the National Workshop on “Himalayan Biodiversity Characterization and information System Network” Organized by Department of Botany, University of Kashmir and ISRO, Dehradun on 18 th October, 2022
45	Irshad A Nawchoo	Delivered a lead Lecture “ <i>Impact of over-exploitation, habitat destruction and urbanization on Medicinal and Aromatic plant (MAP) diversity of Kashmir Himalaya</i> ” in a National Conference on Recent Trends in PlantBiology” organized by IIIM, Sanat Nagar from 5-7 th September, 2022
44	Irshad A Nawchoo	Delivered a Keynote address on “ <i>Youth and Adolescence</i> ” in a programme on Training of Trainers on Engaging youth and Adolescents in DRR & CCA organized by Department of Social Work, University of Kashmir on 26 th of September 2022
43	Irshad A Nawchoo	Delivered a Keynote Address on “ <i>Scientific Writing</i> ” in a ten day training programme for Scientific and Publication Ethics organized by School of Life Sciences of Central University of Kashmir on 20 th September, 2022
2017		
42	Saduf Nissar, Irshad A. Nawchoo , G.G. Mohi-Ud-Din, Neelofar Majid, PeerzadaArshid Shabir, Aabid M Rather	Seasonal and altitudinal variation in the total phenolic content of <i>Skimmiaaquetilia</i> N. P. Taylor and Airy Shaw growing in Kashmir Himalaya. <i>National conference on biotechnology and environment (NCOBE) 2017 organised by Department of Biotechnology, Jamia Millia Islamia, New Delhi, and National Environmental science academy (NESA), New Delhi</i>

41	Neelofar Majid, Irshad A. Nawchoo , G. G. Mohi-ud-din, Saduf Nissar, Peerzada Arshid Shabir, Aabid M. Rather	Assessment of antioxidant potential of extracts of <i>Lavatera cashmeriana</i> Camb. Growing in Kashmir Himalaya. <i>National conference on biotechnology and environment (NCOBE) 2017 organised by Department of Biotechnology, Jamia Millia Islamia, New Delhi, and National Environmental science academy (NESA), New Delhi</i>
40	Saduf Nissar, G. G. Mohi-ud-din, Irshad A. Nawchoo and Neelofar Majid,	Assessment of antioxidant potential of <i>Skimmia anquetilia</i> N. P. Taylor and Airy Shaw in Kashmir Himalaya. <i>National seminar on National development through science and technology 2017 organised by Indian Science Congress Association "Srinagar Chapter" University of Kashmir</i>
39	Neelofar Majid, G. G. Mohi-ud-din, Irshad A. Nawchoo and Saduf Nissar	Distribution pattern, morphology and impact of altitude on the total alkaloid content of <i>Lavatera cashmeriana</i> Camb. in Kashmir Himalaya. <i>National seminar on National development through science and technology 2017 organised by Indian Science Congress Association "Srinagar Chapter" University of Kashmir</i>
38	Saduf Nissar, Irshad A. Nawchoo , Neelofar Majid, Afrozah Hassan, Aabid M Rather	Seasonal variation in the total alkaloid content of <i>Skimmia anquetilia</i> N. P. Taylor and Airy Shaw in Kashmir Himalaya. <i>National seminar on Himalayan biodiversity characterization and bioprospection for sustainable utilization 2017 organised by the Centre for Kashmir Himalayan Biodiversity: Documentation, bioprospection & conservation, University of Kashmir</i>
37	Neelofar Majid, Irshad A. Nawchoo , Saduf Nissar, Afrozah Hassan, Aabid M Rather	Seasonal and altitudinal variation in the total phenolic content of <i>Lavatera cashmeriana</i> Camb. growing in Kashmir Himalaya. <i>National seminar on Himalayan biodiversity characterization and bioprospection for sustainable utilization 2017 organised by the Centre for Kashmir Himalayan Biodiversity: Documentation, bioprospection & conservation, University of Kashmir</i>
36	Saduf Nissar, Neelofar Majid, Irshad A. Nawchoo and G.	Morphological Attributes of <i>Skimmia anquetilia</i> N. P. Taylor and Airy Shaw in Kashmir Himalaya. <i>One day National seminar-2017 on Biodiversity and</i>

	G. Mohi-ud-din	<i>climate change: Challenges and prospects organised by Department of Environmental Science & IQAC, Govt. S.A.M. Degree College, Budgam (J&K)</i>
35	Neelofar Majid, Saduf Nissar, Irshad A. Nawchoo and G. Mohi-ud-din	Morphological Attributes of <i>Lavatera cashmeriana</i> Camb. In Kashmir Himalaya. <i>One day National seminar-2017 on Biodiversity and climate change: Challenges and prospects organised by Department of Environmental Science & IQAC, Govt. S.A.M. Degree College, Budgam (J&K)</i>
2013		
34	Peerzada Arshid Shabir, Rubaya Sultan, Irshad A Nawchoo and Aijaz Ahmad Wani.	Secondary Pollen Presentation and Style Morphology in Critically Endangered Himalayan Herb <i>Inula valedict</i> (Asteraceae). <i>9th JK Science Congress, Kashmir University, Srinagar. October 1st-3rd, 2013.</i>
33	Hadiya Shafi, Irshad A. Nawchoo and Zahoor A. Kaloo.	Studies on Habitat Characteristics, Growth Pattern, Distribution and Phenology to Develop Ex-Situ Conservation Strategies for <i>Fritillaria roylei</i> Hook.F. <i>9th JK Science Congress, Kashmir University, Srinagar. October 1st-3rd, 2013.</i>
32	Ali Abbas Rather, Rubaya Sultan and Irshad A. Nawchoo.	Flowering Seasonality and Flower Characteristics of <i>Ajuga bracteosa</i> Wall. Ex Benth. – An Important Medicinal Herb of N.W. Himalaya. <i>9th JK Science Congress, Kashmir University, Srinagar. October 1st -3rd, 2013.</i>
31	Asma Banday, Irshad A. Nawchoo and Zahoor A. Kaloo.	Spatio-Temporal Differences in Demography, Phenology and Floral Traits in <i>Jurineadolomiaea</i> Boiss. – Implications for its Conservation. <i>9th JK Science Congress, Kashmir University, Srinagar. October 1st -3rd, 2013.</i>
30	Aabid M. Rather, Rubaya Sultan, Irshad A. Nawchoo , Aijaz H Ganie, Aijaz A. Wani and Khursheed A. Ganie.	Bewildering Array of Reproductive Adaptations Proved its Contrivance through Mating in <i>Valeriana jatamansi</i> Jones. <i>9th JK Science Congress, Kashmir University, Srinagar. October 1st -3rd, 2013.</i>
29	Rubaya Sultan, Irshad A Nawchoo , Aabid M. Rather and Ali Abbas	Reproductive Biology Studies Crucial for Conservation of MAP's. <i>9th JK Science Congress, Kashmir University, Srinagar. October 1st -3rd,</i>

	Rather.	2013.
28	Bilal A.Tali, Aijaz Hassan Ganie, Rubaya Sultan, Irshad A. Nawchoo and Aijaz A. Wani.	Application of IUCN Regional Guidelines for Threat Assessment: A Case Study of <i>Atropa acuminata</i> Royle in Kashmir Valley. 9th JK Science Congress, Kashmir University, Srinagar. October 1st -3rd, 2013.
27	Mudasir Yousuf, Nazir A. Dar, Rubaya Sultan and Irshad A. Nawchoo.	Genetic Diversity of <i>Hypericum perforatum</i> L. Using RAPD Analysis. 9th JK Science Congress, Kashmir University, Srinagar. October 1st -3rd, 2013.
2012		
26	Bilal Ahmad Tali, Aijaz Hassan Ganai, Zafar A. Reshi and Irshad A. Nawchoo.	Threat categories assigned to different medicinal and aromatic plants (MAPs) of Kashmir Valley need to be reassessed. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
25	Khaleefa Aslam, Irshad A. Nawchoo , B. A. Ganai and Bilal A. Wani.	Phytochemical screening and anti-oxidant potential ethanolic leaf extract of <i>Primula 68enticulate</i> SM. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
24	Asma Banday, Irshad A. Nawchoo and Zahoor A. Kaloo.	Domestication and In Vivo propagation of high altitude medicinal herb <i>Jurinea dolomiaea</i> Bioss. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
23	Ali Abbas Rather, Irshad A. Nawchoo and Khursheed A. Ganai.	Reproductive Biology of <i>Ajuga bracteosa</i> Wall ex. Benth.- An important medicinal herb. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
22	Najy Khursheed, Azra N. Kamili and Irshad A. Nawchoo.	Development of in vitro conservation technique for <i>Achillea millefolium</i> L. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
21	Peerzada Arshid Shabir, Irshad A. Nawchoo and Aijaz A. Wani.	Genetic variability in <i>Inula royleana</i> using RAPD Analysis. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
20	Ubaid Yaqoob, Irshad A. Nawchoo and Khursheed A. Ganai.	Reproductive biology of <i>Ferula jaeschkeana</i> Vatke- an important medicinal plant in N. W. Himalayas. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
19	Hadiya Shafi, Irshad A. Nawchoo and Zahoor A. Kaloo.	Reproductive Biology of <i>Fritillaria roylei</i> Hook. F. An important medicinal herb of Kashmir Himalaya. <i>Paper presented in 8th JK Science</i>

		<i>Congress, Srinagar.</i>
18	Shagufta Bashir, Aijaz A. Wani and Irshad A. Nawchoo.	Chromosomal damage induced by gamma rays, EMS and SA in <i>Trigonella foenum-graecum</i> L. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
17	Mudassir Yousuf, Nazir A. Dar and Irshad A. Nawchoo.	<i>In vitro</i> antibacterial activity of methanolic extract of leaves of <i>Hypericum perforatum</i> L. growing wild in Kashmir Himalaya. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
16	Nida Aslam, Aijaz A. Wani and Irshad A. Nawchoo.	Occurrence of two morphotypes of <i>Peganum harmala</i> L. in Kashmir Himalaya. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
15	Arshid Iqbal and Irshad A. Nawchoo.	Impact of altitudinal gradient on the phenological episodes of <i>Hyoscyamus niger</i> Linn. Across Kashmir Himalaya. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
14	Irshad A. Nawchoo, Aabid M. Rather and Khursheed A. Ganai.	Preliminary conspectus of <i>Valeriana jatamansi</i> -important medicinal herb of Kashmir Himalaya. <i>Paper presented in 8th JK Science Congress, Srinagar.</i>
13	Irshad A. Nawchoo and Rubaya Sultan.	Unabated loss of Medicinal Plant Diversity of Kashmir Himalayas and Development of Suitable Strategies to Salvage Whatever is Left. <i>Paper presented in “International Conference and One day workshop on Current trends on Medicinal Plant Research”. Organized By Pune University, from 10th to 13th Feb. 2012.</i>
2011		
12	Irshad A. Nawchoo and Mudassir Yousuf.	Genetic diversity of St. John's Wort (<i>Hypericum perforatum</i> L.) -A herbal antidepressant. <i>Paper presented in International Symposium on “Genomics of Crops, Medicinal Plants and Microbes” organized by Department of Botany and Department of Biotechnology, University of Kerala, Thiruvananthapuram, from May 29th to May 31st, 2011.</i>
2010		
11	Aabid M. Rather, Irshad A. Nawchoo and Aijaz A. Wani.	Assessment of sexuality and Morphotypic variability in <i>Valeriana jatamansi</i> Jones- An important medicinal Plant of N. W. Himalaya. <i>Paper</i>

		<i>presented in 6th JK Science Congress, Kashmir University.</i>
10	Peerzada Arshid Shabir, Irshad A. Nawchoo and Aijaz A. Wani.	Assessment of reproductive strategies and species survival features of <i>Inula royleana</i> Hook. F. A critically endangered medicinal Herb of N. W. Himalaya. <i>Paper presented in 6th JK Science Congress, Kashmir University.</i>
9	Nida Aslam, Aijaz A. Wani and Irshad A. Nawchoo.	Sexual and asexual strategies in <i>Peganum harmala</i> Linn. –an important but neglected medicinal plant of Kashmir Himalaya. <i>Paper presented in 6th JK Science Congress, Kashmir University.</i>
8	Shagufta Bashir, Aijaz A. Wani and Irshad A. Nawchoo.	Mutagenic Potential potential of gamma rays, Ethyle Methane Sulphonate and Sodium Azide in <i>Trigonella foenum graecum</i> L. <i>Paper presented in 6th JK Science Congress, Kashmir University.</i>
7	Irshad A. Nawchoo	Medicinal plants wealth of Kashmir- challenges and strategies for their conservation. <i>Paper presented in the International conference on “Medicinal plants and herbal drugs- challenges and opportunities in cultivation, sustainable utilization and conservation” held at Veli University Chennai, 4th to 6th March, 2010.</i>
6	Irshad A. Nawchoo.	Loss of Medicinal Plant Diversity and Methods to salvage whatever is left. <i>Paper presented on “International Day for Biological Diversity” Organized by Department of Botany, University of Kashmir, 22nd May, 2010.</i>
2009		
5	Irshad A. Nawchoo.	The ethnic biological knowledge and its role in bio-resource assessment, management and conservation. <i>Paper presented in National Conference on “Biodiversity: Present Status and Future Challenges”</i>
4	Irshad A. Nawchoo.	Potential of G-governance on resource management. <i>Paper presented in conference on “Energy challenges in J & K state- a case study for Energy research Institute” organized by, Department of Geology and Geophysics, University of Kashmir, 20th to 22nd of May, 2009.</i>

3	Irshad A. Nawchoo.	Impact of Urbanization on diverse biological wealth of Kashmir Himalayas. Paper presented in “ <i>National workshop on Spatial planning for G-governance</i> ” organized by, Department of Geology and Geophysics, University of Kashmir, 29 th to 30 th June.
2	Irshad A. Nawchoo.	Are Biological Resources providing an alternative source of energy in J & K State. Paper presented in National level conference on “ <i>Conservation, marketing and patenting of Medicinal Plants (ICCMP) Chattisgarh Herb Fest</i> ”. Organized at Raipur India, 18 th to 20 th Dec. 2009.
2008		
1	Irshad A. Nawchoo, G.G.Mohi-ud-Din, Parvaize A. Wani and B. A. Wafai	Loss of Medicinal Plant Diversity in Himalaya: A Serious Socio-Economic Concern. Proceedings of National Conference on “ <i>Himalayan Biodiversity: Concerns and Issues</i> ” organized by GSBS, University, Rajouri.)

ACTING AS CHIEF GUEST, GUEST OF HONOUR AND DELIVERING KEY NOTE ADDRESSES IN INAUGURAL OR VALIDICTORY FUNCTIONS

S.No	Workshop/Conference/Seminar/Project Meetings/Committee Meetings
	Lecture delivered
2024	
31	Acted as Guest of Honour in two day workshop on “ <i>Empowering Women Women in STEM: Bridging Oppurtunities in Jammu and Kashmir</i> ” from 28 th -29 th August, 2024
30	Acted as Guest of Honour in “ <i>International Conference on Monitoring Biodiversity for Action (ICMBA-2024) (Blended Mode) June 25-27, 2024.</i>
2023	
29	Acted a Guest of Honour in the Innaugural function of the 2day symposium on “ <i>Molecular Diagonistics in the era of Genomics and Proteomics</i> ” organized by Sun Pharma Science Foundation in Collaboration with CIRI, University of Kashmir, on 16 th October. Delivered a Keynote address “ <i>Diagonostic advancement and its impact on disease management</i> ”

28	Acted as Chief Guest in the Innaugural function of two day Seminar cum Alumuni meet on 5 th October, 2023 on Mathematical linkge with other Science subjects organized by Department of Mathematics in collaboration with Department of Science and Technology, J & K. Delivered the keynote address “Biological and Mathematical Research---an unbreakable linkage is backbone modern acheivements”
27	Acted as a Key note speaker in the Innaugural session of “Integrated Disaster Risk Reduction for Inclusive Development (IDRiM): Science, Policy and Practice Dialogues” from 28 th to 30 th Sepetmeber. Topic “IDRiM- policy status and implementation in Kashmir Himalaya”
26	Acted as JK representative in the ICIMOD (International Centre for Integrated Mountain Development) meeting of “Himalayan University Consortium India Country Chapter” from 26 th to 27 th Sepetember at IIR Roorkee and delivered a Plenary Keynote address on “Role of Higher Education Institutions in Nurturing Future Leadership for Sustainable Himalaya- with particular reference to Kashmir Himalaya”
25	Acted as Patron cum Chief Guest in the 2day National Smposium on “Genomics Towards Better Health” jointly organized by CSIR-IGIB, New Delhi and CIRI, University of Kashmir from 22 nd to 23 rd of September, 2023. Delivered the Innuagural Address “Advancement of Helath Sciences and role of biosciences”
24	Acted as Guest of Honour in the Validictory function of “Harud Festival- Colour Me Autumn” organized by Department of Management Studies , North Campus 20 th September, 2023. Delivered a Keynote address “Autumn reflects the results of whole year investment”
9	Acted as Guest of honour in the Innaugural function of the “3-week Capacity Building programme in Glaciology” organized by Centre of Excellence for Glacial Studies from 11 th to 30 th September 2023. Delivered a key note address “Loss of Glaciers due to Global warming..causes, concerns and preventive measures”
23	Acted as Chief Guest in symposium “Drug Abuse:Challenges, Awareness and Redressal” organized by Department of Clinical Biochemistry in collaboration of Institute of Mental and Neurosciences JK ST & IC and Directorate of School Education on 6 th of September, 2023. Delivered Innaugural Address “Drug addiction in Children: how to assess and develop control measues”
22	Delivered a ketnote address as Guest of Honour in the Innaugural function of “National Conference on “Skill Development Initiatives, Challenges and future Strategies” organized by Centre for Capacity Building and Skill Development from 23-24 th August, 2023

21	Acted as an expert in PAC meeting of SERB, GoI under OEB Plant Science organized by Department of Food Science and Technology from 24 th to 27 th July, 2023. Delivered Innaugural address “Project submission and presentation- means of upliftment of young scientists”
20	Acted as a Special Guest in Special Talk on “Kashmir and Socio-Religious Harmony” organized by School of Law, University of Kashmir on 24 th of July, 2023. Delivered a keynote Inaugural Address on the the topic “We may have different religious concpets but Social Harmony should always remain same”
19	Acted as Guest of Honour in the National Conference on “Peace Education” organized by Department of Social Work in collaboration with Directorate of School Education with the theme “ SAVE THE CHILDREN” from 18 th to 19 th July, 2023. Delivered the Keynote address “Kids are our Future Torch bearers –Let us educate them with Peace Education”. Also interacted with kids to give them concept of new themes of peace Education
18	Acted as Guest of Honour in the “Library Meet” organized by Iqbal Library on 3 rd July, 2023 and delivered a Key note address “Library---past, present and future its linkage with Academic and Research advancement”
17	Acted as Chairperson in the one day panel Conference “Intellectual Property Rights” organized by School of Law on 13 th of July 2023. Delivered a key note address on “Scientific achievements and IPR---A Way ahead for younger Innovators”
16	Was the Guest of Honour in one day awareness programme on “World Elder Abuse Awareness Day” organized by Department of Social Work and Gauri Kaul foundation on 15 th June 2023. Delivered key note address “The Strong Linkage between Elder Knowledge holders and younger knowledge Receptors will uplift the culture heritage”
15	Acted as Chief Guest in Innaugural function of the 3day National Conference on “Changing Course in Global Environment:Challenges and Solutions” organized by Department of Environmental Sciences University of Kashmir, from 5-7 th June 2023 and delivered a Key note address “Kashmir-The impact of Environmental Changes-assessment and remedies”
2022	
14	Acted as Chairperson in the Innaugural function of National conference cum workshop on <u>“Innovations and Entrepreseurships for Sustainable Development”</u> organized by School of Life Sciences, Central University of Kashmir in collaboration with SKUAST on 20 th December, 2022
13	Acted as a Chariperson in the Validictory function of 5day workshop on <u>“Science-policy-Society-Interface”</u> organized by Department of Environmental Science and Govt. Degree College for Women, Sopore on 9 th December, 2022

12	Acted as Chairperson and presented an “Award of Honour” in the One Day Conference “Increasing Relevance of the Convention on Elimination of All forms of Discrimination against Women” organized by Department of Law, University of Kashmir on 1 st of December, 2022
11	Acted as Guest of Honour in one day National Seminar on <u>“Law, Justice and Social Change in Globalized World”</u> organized by Department of Law, University of Kashmir, on 18 th November, 2022
10	Acted as Guest of Honour and was presented an Award of Appreciation in the Awareness programme <u>“Breast Cancer Screening Cum Awareness Programme”</u> organized by Department of Bioresources , University of Kashmir on 3 rd of November, 2022
9	Acted as Chief Guest in Innaugural function of the National Seminar on <u>“Rights of Differently Abled Women”</u> organized by Institute of Home Science, University of Kashmir on 11 th of October, 2022
8	Acted as Chief Guest in the inaugural function of the Workshop on Training of Teacher’s <u>“Managing Youth and Adolescents in DRR & CCA”</u> organized by Department of Social Work, University of Kashmir on 26 th September, 2022
7	Acted as Chief Guest in the validictory function on One week workshop on <u>“Mathematics and its applications”</u> organized by Department of Mathematics, South Campus, University of Kashmir, on 22 nd September, 2022
6	Acted as Chief Patron cum Guest of Honour in the Innaugural Function of <u>“National Conference on Changing Dimesnions of Scholarly Communication and Role of Libraries to attain Inclusive Knowledge Society”</u> organized by Department of Library and Information Science, University of Kashmir on 6 th of September, 2022
5	Acted as Co-Chairperson in the Innaugural function of 44 th All India Cell Biology Conference and International Symposium om <u>“Molecular and Cellular Insights of Human Diseases”</u> organized by Department of Biochemistry, University of Kashmir on 2 nd September, 2022
4	Acted as Guest of Honour in “World Microbiome Day” orgainzed by CORD and Department of Microbiology, University of Kashmir, on 27 th of June 2022
3	Acted as Chief Guest in the Validictory Function of <u>“Two day Multidisciplinary Research Methodology Workshop”</u> organized by North Campus, University of Kashmir on 2 nd of June 2022
2	Acted as Chairperson of a Scientifc Session in Unani Day 2022 and International Conference on <u>“Diet and Nutrition in Unani Medicine for Good health and well being”</u> organized by CCRUM, Ministry of Ayush, Govt. of India, on 11 th March, 2022
1	Acted as Chief Guest in the Validictory function and chaired a session of <u>“Festival of SCoPE for All”</u> organized Department of Media Education,

WORKSHOPS/CONFERENCES/ SEMINARS ATTENDED

S.No	Workshop/Conference/Seminar/Project Meetings/Committee Meetings
	Lecture delivered
2021	
79	Participated in <i>“10day Research Methodology Workshop”</i> organized by Department of Environmental Sciences, University of Kashmir on 17-04-2021 and delivered a Presidential Address
78	Participated in a <i>“Virtual-Online ASM workshop on Scientific Writing and Publishing”</i> organized by Department of Bioresources, University of Kashmir, on 07-04-2021 and delivered a Keynote Address
77	Participated in the <i>“3-day International Webinar on Water, Health and Parasites”</i> organized by Department of Environmental Sciences, University of Kashmir on 24 th March 2021 and delivered a keynote valedictory address
76	Participated in National Conference on <i>“Implementation of NEP 2019-Challenges and Oppurtunities for Educational Institutions”</i> organized by Educational Promotion Society of India, Banglore and Presented a Paper <i>“NEP -Plans of Implementation in Kashmir University”</i> 30-11-2021 to 1-12-2021
75	Chaired the opening ceremony of One day National Conference on <i>“Changing Patterns of Migration”</i> OrganizedbyDepartment of Geography and Disaster Management. 4-10-2021
74	Delivered a invited talk on <i>“Scientific writing-concept and methods”</i> in the workshop organized byUGC-Human Resource Development Centre, University of Kashmir from 16-11-2021 to 26-11-2021
2020	
73	Participated in the workshop on <i>“Plant Taxonomy: Classical and Modern Methods”</i> organized By CBT, University of Kashmir from 12-03-2020 to 14-03-2020
72	Participated and delivered a Keynote lecture on <i>“Net work Programme on Convergence of Traditional Knowledge systems for suatainable Development in Indian Himalayan Region”</i> organized by DST, Govt. of India in collaboration with JNU, New Delhi from 07-01-2020 to 15-01-2020
2019	

71	Participated and Chaired a session in <i>"Impact of natural and induced stress on traditional practices of Nature dependence"</i> . Organized by Department of Science and Technology, Govt. of India, at New Delhi from 26-12-2019 to 30-12-2019
70	Participated and delivered a lecture in <i>"Convergence of Traditional Knowledge Systems for Integration to Sustainable Development in the Indian Himalayan Region"</i> Organized by Department of Environmental Sciences, JNU, New Delhi, 09 -12-2019 to 12-12-2019
69	Participated and Delivered a key note on line lecture in <i>"Convergence of Traditional Knowledge Systems for Integration to Sustainable Development in the Indian Himalayan Region"</i> Organized by Department of Science and Technology, Govt. of India in Collaboration of JNU, New Delhi. 18 - 11-2019 to 21-11-2019
68	Participated and Chaired a session in <i>"Allien Plants in Himalayas: Status, Ecological Impact"</i> Organized by Coperative project Principal Investigator on Allien Plants in Himalayas: Status, Ecological Impact and Management, at Department of Botany, Universit of Kashmir, on d 16 - 03-2019
67	Participated and Chaired a session in <i>"Ecology, Monitoring, recovery and Bio-prospection of some threatened plant species of Jammu and Kashmir and Ladakh in relation to regional Socio-economic development"</i> . Organized by Ministry of Environment and Forestry & Climate Change, dated 15 -02-2019
2018	
66	Participated in the 6 th meeting regarding <i>"Network Programme on Convergence of Traditional Knowledge Systems for Sustainable Development in the Indian Himalayan Region"</i> organized at JNU New Delhi from 14 th Feb. to 16 th Feb. 2018.
65	Participated and Acted as member of <i>Project Assessment Committee at UGC</i> from 9 th September to 11 th September 2018
64	Participated in the 5 th meeting regarding <i>"Network Programme on Convergence of Traditional Knowledge Systems for Sustainable Development in the Indian Himalayan Region"</i> organized at JNU New Delhi from 7 th June to 9 th June 2018.
63	Attended the <i>"13th JK Science Congress"</i> organized by University of Kashmir in Collaboration of J & K State Science, Technology and Innovation Council, from 02-04-2018 to 4-04-2018.
2017	
62	Participated in the 4 th meeting regarding <i>"Network Programme on Convergence of Traditional Knowledge Systems for Sustainable Development in the Indian Himalayan Region"</i> organized at JNU New Delhi from 5 th March 2017 to 7 th March 2017 .

2016	
61	Participated in the 3 rd meeting regarding <i>“Network Programme on Convergence of Traditional Knowledge Systems for Sustainable Development in the Indian Himalayan Region”</i> organized at JNU New Delhi from 3 rd Oct. to 4 th Oct. 2016.
60	Participated and delivered a keynote address in Department of Biotechnology, Ministry of Science and Technology meeting on <i>“Collaborative Research activity on Saffron Productivity”</i> held at DBT, New Delhi Srinagar on 18 th Sept. 2016.
2015	
59	Participated and Acted as member of Abstract Review Committee for <i>“Global Conference on Unani Medicine”</i> 12-13 th October, 2015
58	Participated and Acted as Incharge Registration and editor of Botany and Agricultural Sciences abstracts submitted for <i>“11th JK Science Congress”</i> 12-14 th October, 2015
57	Participated and delivered a keynote address in Department of Biotechnology, Ministry of Science and Technology meeting on <i>“Collaborative Research activity on Saffron Productivity”</i> held at Kashmir University Srinagar on 6-8 th November, 2015
56	Participated in 11 th JK Science Congress organized by University of Kashmir from 12-14 th October, 2015 and delivered a lecture <i>“Shun Selfing via Chirality Proximate basis for Dimorphic Enantiostyly”</i>
55	<i>Participated in “Global Conference on Unani Medicine”</i> organized by Directorate General of Indian systems of Medicine, Jammu & Kashmir from 12-10-2015 to 13-10-2015 and delivered a lecture <i>“Plants equally clever enough to way out their successful reproduction and survival- a case study in Valerianajatomansi Jones”</i>
54	Participated in the 2 nd meeting regarding <i>“Network Programme on Convergence of Traditional Knowledge Systems for Sustainable Development in the Indian Himalayan Region”</i> organized at JNU New Delhi from 17 th to 19 th October 2015
53	Participated in Principal Investigators meeting regarding <i>“Network Programme on Convergence of Traditional Knowledge Systems for Sustainable Development in the Indian Himalayan Region”</i> organized at JNU New Delhi from 8 th to 10 th August 2015 and presented the Plan of Work drafted by University of Kashmir
52	<i>Participated in “Second National Summit on Unani Medicine”</i> organized by CCRUM, Kashmir from 12 th -13 th May, 2015 and delivered a lecture <i>“Unabated loss of Medicinal Plant diversity of Kashmir Himalaya—Causes</i>

	<i>and Concerns”</i>
2014	
51	Participated and and delivered a keynote address in <i>“Medicinal Plant Diversity of Kashmir Himalaya- Status and Strategies”</i> Upliftment of College Education organized Academic Staff college University of Kashmir 26 th July 2014
50	Participated and and delivered a keynote address in <i>“History of Herbal Medicine- World, Asian and JK Scenario”</i> Upliftment of College Education organized Academic Staff college University of Kashmir 25 th July 2014.
49	Participated and and delivered a keynote address in <i>“MAP and Mushroom diversity of Kashmir Himalaya- Status and Potential”</i> University Grants Commission meeting on SAP-DRS- I regarding held at UGC New Delhi on 20 th to 23 rd of July 2014.
48	<i>“Collaborative Research activity on Saffron Productivity”</i> held at New Delhi at Department of Biotechnology, Ministry of Science and Technology meeting on 24-6-2104 to 26-06-2014.
47	Participated and and delivered a keynote address in Science Academies Lecture workshop <i>“Himalayan Biodiversity and Bioresources Mapping, causes and concerns”</i> . Organized by Department of Botany, from 8 th to 10 th May 2014.
2013	
46	Participated and and delivered a keynote address in <i>“29th Annual IAEC conference on Status and Conservation of Biodiversity in India with Special Reference to Himalaya”</i> organized by CORD and Department of Environmental Sciences from 4 th -5 th October, 2013.
45	Participated and and delivered a keynote address in <i>“9th JK Science Congress and Regional Science Congress”</i> organized by University of Kashmir, Srinagar, October 1 st to October 3 rd , 2013.
44	Participated and and delivered a keynote address in <i>“National Science Day 2013”</i> organized by Department of Botany, University of Kashmir, Srinagar
43	Participated and and delivered a keynote address in <i>“Biodiversity Day 2013”</i> organized by Department of Botany, University of Kashmir on 22 nd May 2013.
2012	
42	Participated and and delivered a keynote address in <i>“8th JK Science Congress 2012 Science, Technology and Regional Development: Opportunities and Challenges”</i> organized by University of Kashmir, Srinagar from 17 th to 19 th September, 2012.
41	Participated and and delivered a keynote address in National Seminar on <i>“Advances in Biosciences”</i> organized by Amar Singh College, Srinagar from 12 th -13 th June, 2012

40.	Participated and and delivered a keynote address in <i>“Conference on Medicinal Plants: Current Status and Future Prospects”</i> organized By Islamia College of Science and Commerce, Srinagar from 14 th to 15 th of March 2012
39	Participated and and delivered a keynote address in <i>“International Conference and One day workshop on Current trends on Medicinal Plant Research”</i> . <i>Organized By Pune University, from 10th to 13th Feb. 2012.</i>
2011	
38	Participated and and delivered a keynote address in <i>International Symposium on “Genomics of Crops, Medicinal Plants and Microbes”</i> organized by Department of Botany and Department of Biotechnology, University of Kerala, Thiruvananthapuram, from May 29 th to May 31 st , 2011.
37	Participated and and delivered a keynote address in <i>“World Arbor Day”</i> 22 nd of March, 2011. University of Kashmir.
36	Participated and and delivered a keynote address in <i>“National Symposium on Esophageal Cancer- A Major Health Concern in Kashmir”</i> Department of Biochemistry, University of Kashmir, 4-01-2011.
2010	
35	Participated and and delivered a keynote address in <i>“6th JK Science Congress”</i> 2010 University of Kashmir, Srinagar, 2 nd -4 th Dec. 2010
34	Participated and and delivered a keynote address in <i>“World Environment Day Celebrations”</i> . CORD & Department of Environmental Science. June 2010.
33	Participated and and delivered a keynote address in International Conference on <i>“Medicinal Plants and Herbal Drugs: Challenges and opportunities in Cultivation, Sustainable Utilization and Conservation”</i> . Veli University, Chennai. 4 th to 6 th March 2010
32	Participated and and delivered a keynote address in <i>“International Day For Biological Conservation”</i> University of Kashmir, Srinagar, 22 nd May 2010
2009	
31	Participated and and delivered a keynote address in <i>“Conservation, Marketing and Patenting of Medicinal Plants (ICCMP) Chattisgarh Herb Fest-2009”</i> . Raipur, India. 18 th to 20 th December, 2009.
30	Participated and and delivered a keynote address in <i>“National Workshop on spatial planning for G-Governance”</i> organized by Department of Geology and Geophysics, University of Kashmir, June 29-30, 2009.
29	Participated and and delivered a keynote address in <i>“Energy Challenges in J & K State: A case study for Energy Research Institute”</i> organized by Department of Geology and Geophysics, University of Kashmir, May 20-22 May,

	2009.
28	Participated and delivered a keynote address in “ <i>Biodiversity: Present Status and Future Challenges</i> ” organized by Department of Botany, University of Kashmir, Srinagar, March 26-28, 2009
2008	
27	Participated and delivered a keynote address in “ <i>4th J&K State Science Congress</i> ” organized by University of Kashmir, Srinagar, September, 2008
26	Participated and delivered a keynote address in “ <i>3rd J&K State Science Congress</i> ” organized by University of Jammu, Jammu Tawi, January, 2008
2007	
25	Participated and delivered a keynote address in “ <i>Himalayan Biodiversity: Concerns and Issues</i> ” organized by Centre of Biodiversity Studies, Baba Ghulam Shah Badshah University, Rajouri, October 27-29, 2007.
24	Participated and delivered a keynote address in “ <i>Himalayan Ecology and Sustainable Development</i> ” organized by Department of Environmental Sciences and Centre of Research for development, University of Kashmir, Srinagar, 5 th -11 th June, 2007.
2006	
23	Participated and delivered a keynote address in “ <i>2nd J&K Science Congress</i> ” organized by University of Kashmir, Srinagar 25 th to 27 th July, 2006.
22	Participated and delivered a keynote address in Zonal Conference cum workshop “ <i>High altitude Ecology and Strategies for the conservation of plant germplasm</i> ”. Himalayan Ecological and Conservation Research Foundation (HECRF), Kargil, 22 nd to 23 rd June, 2006.
2005	
21	Participated and delivered a keynote address in “ <i>Medicinal Plant wealth of Kashmir and a potential to cultivate these commercially</i> ”. Regional conference cum workshop organized by J & K State Medicinal Plants board, on 14 th -16 th Oct. 2005.
20	Participated and delivered a keynote address in Zonal Conference on “ <i>Kashmir as a bio-business centre for production of high value Essential Oils</i> ”. IIIM, Srinagar, 4 th – 5 th April, 2005
2004	
19	Participated and delivered a keynote address in National Conference on “ <i>Indigenous and traditional medicinal plant resources of Kashmir : Contemporary concerns</i> ” CCRUM, New Delhi. January, 2004.

2003	
18	Participated and delivered a keynote address in Seminar on <i>“Relevance of Entrance Test in Higher Education”</i> organized by Kashmir University Teachers Association, Oct. 2003
17	Participated and delivered a keynote address in State level Seminar on <i>“Present Scenario of Ecological Research in Jammu & Kashmir”</i> . P.G. Department of Environmental Sciences and CORD, University of Kashmir, Srinagar (J&K), (March 26-27,2003).
16	<i>Participated in “National Seminar on Recent advances in Plant Science Research”</i> Organized by Department of Botany, University of Kashmir on 12-14 th October 2003 Paper presented: <i>“In vitro seed germination and transplant studies to develop protocol for conservation of endangered medicinal plants of Kashmir Himalaya”</i>
2002	
15	<i>Participated in “Conservation and Development of Medicinal and Aromatic plants in Kashmir State”</i> Organized by State Medicinal Plants Board on 13 th June 2002.Paper Presented: <i>“Commercial cultivation of Medicinal Plants”</i>
14	<i>Participated in “National Seminar on Recent Trends in Life Sciences”</i> Organized by Centre of Research for Development, University of Kashmir.Paper Presented: <i>“Studies on Conservation Biology of some important and endangered Medicinal Plants of North West Himalayas, India”</i>
13	<i>Participated in “National Interactive meet on Scope and Problems in Research and Business of Medicinal Plants”</i> Organised by Central Institute of Medicinal and Aromatic Plants, Lucknow, Feb.2002.Paper Presented <i>“Conservation Strategies of Inula racemosa and Saussureacostus- two critically endangered medicinal Plants of N.W. Himalaya”</i>
2001	
12	<i>Participated in Golden Jubilee Conference of Delhi University Botanical Society</i> Paper presented: (Feb 2001) <i>“Conservation Strategies of invaluable and endangered Medicinal Plants of Kashmir.”</i>
11	<i>Participated in and deleivered a Keynote address in</i> National Workshop cum Project presentation on <i>“Integrated Eco-development Programme in Himalaya”</i> Organized by G. B. Pant Institute of Himalayan Environment and Development at University of Jammu on 28-29 th Dec, 2001.
2000	
10	<i>Participated in 36th Workshop of Unani Practitioners organized by CCRUM. (Dec. 2000)</i> Lectures delivered: i. Tibetan art of healing ii. Folk medicine of Kashmir

9	<p><i>Participated in 2nd Workshop cum refresher course for 10+2 lecturers organized by Directorate of School education and University of Kashmir. Dec.-Jan (1999-2000) Lectures delivered:</i></p> <ul style="list-style-type: none"> i. Plant breeding- meaning and Scope ii. Methods of plant breeding iii. Conservation of natural Resources iv. Plant diversity of Kashmir
1999	
8	<p><i>Participated in 35th Workshop for Unani Practitioners organized by the Central Council of Research on Unani Medicine . (Dec- Jan 1998-99) Lectures delivered:</i></p> <ul style="list-style-type: none"> i. Medicinal Plants – A historical perspective ii. Medicinal Plants of Ladakh
1998	
7	<p><i>Participated in 1st Workshop cum refresher course for 10+2 lecturers organized by Directorate of School Education and University of Kashmir. (March – April 1998) Lectures delivered:</i></p> <ul style="list-style-type: none"> i. Pesticides – uses and abuses ii. Diversity of Plant genetic resources iii. Techniques of improvement of Plant production
6	<p><i>Participated in Workshop on “Agricultural Entrepreneurship Development” organized by the Division of Floriculture, Medicinal and Aromatic Plants” (March 1998) Lectures delivered:</i></p> <ul style="list-style-type: none"> i. Production of Quality seeds for trade ii. Storage and marketing of quality seeds
1997	
5	<p><i>Participated in Workshop on “Entrepreneurship Development” organized by the State Council of Science and Technology.(Oct-Nov. 1997) Lectures delivered:</i></p> <ul style="list-style-type: none"> i. Collection, processing and trade of plant material ii. Field and Microphotography for Scientific purposes.
1996	
4	<p><i>Participated in Conference on “Abuses of drug addiction, causes and measures to control it” organised by the DSW, Kashmir University. (March 1996) Paper presented:</i></p> <p style="text-align: center;"><i>“Hallucinogenic Plants uses and abuses- A historical perspective.”</i></p>
1994	

3	<i>Participated in International “Conference on Medicinal Plants” organized by University of Calcutta. Paper presented: (Oct. 1994) “Traditional Medicinal Plants of Zanaskar region, Ladakh”</i>
2	<i>Participated in Conference on “Islam and Science” organized by Dean, Students welfare, Kashmir University. (June 1994)Paper presented: “Uses of some common plants by the Holy Prophet (PBUH) in treatment of various ailments viz a viz their modern rendering”</i>
1988	
1	<i>Participated in Conference on “Central Asia and Kashmir” organized by Centre of Central Asian studies. (Dec. 1988) Paper presented: “Central Asia and Kashmir- an appraisal of past and present links.”</i>