



# CURRICULUM VITAE

## PROF. MD. NIAMAT ALI



**Official Address:** Professor, Centre of Research for Development, P. G. Centre of Microbiology, University of Kashmir, Srinagar-190 006, J & K, India

**Permanent Home Address:** Balikukhari, Post Office: Harit-712305, District: Hooghly, West Bengal, India

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**Present Position:** Director, Centre of Research for Development (CORD), School of Biological Sciences, University of Kashmir, Srinagar, J & K, India.

**Office-in-charge:** P. G. Centre of Microbiology, School of Biological Sciences, University of Kashmir, Srinagar, J & K, India.

**Working Schedule:**

- Pool Officer/ SRA [ CSIR/ New Delhi: Department of Zoology / A. M. U/ Aligarh): 1996
- Assistant Lecturer (Department of Zoology / A. M. U/ Aligarh): 2001
- Assistant Professor (Department of Zoology/ Kashmir University): 2002
- Associate Professor (CORD/ Kashmir University): 2013
- Professor (CORD/ Kashmir University: 2016 – Till-date

### ACADEMIC HIGHLIGHTS AT A GLANCE

**Educational Qualification:**

- B. Sc.: Zoology Honours and M. Sc.: Zoology (Specialization in Cytogenetics and Molecular Biology), University of Burdwan, West Bengal, India.
- M. Phill. and Ph. D. : Zoology (Specialization in Cytogenetics and Molecular Biology), Aligarh Muslim University, Aligarh-202002, U. P., India.

**Teaching Experience:** 28 years (A. M. U, Aligarh-07 years and Kashmir University, Srinagar-21 years)

**Research Experience:** 32 years

**Google Citation Indices:**

- Citations: 1965
- h-index: 18
- i10-index: 30
- Cumulative Impact Factor: 195

**Major Research Project (ongoing):** Rashtriya Uchchar Shiksha Abhiyan (RUSA); Ministry of Human Resource Development; Department of Higher Education, Government of India (2020): Sanctioned amount: Rs. 36, 81, 000; Title: Studies on morphological and molecular profiling through DNA barcoding of predominant species of *Coccinellidae* and *Syrphidae*; their potential in insect pest management in Kashmir, India”

**Students Evaluation cum Feed Back:**

S. No.	Faculty	Department	Year	Grade point	Grade
1.	Biological Sciences	Microbiology	2022	8.75/ 10	Excellent
2.	Biological Sciences	Microbiology	2021	9.16/ 10	Outstanding
3.	Biological Sciences	Microbiology	2020	4.52/ 05	Outstanding
4.	Biological Sciences	Microbiology	2019	4.56/ 05	Outstanding
5.	Biological Sciences	Microbiology	2018	4.51/ 05	Outstanding
6.	Biological Sciences	Microbiology	2017	8.51/ 10	Excellent
7.	Physical and Material Sciences	Environmental Sciences	2015	4.05/ 05	Excellent
8.	Biological Sciences	Bioresources	2014	4.30/ 05	Excellent
9.	Physical and Material Sciences	Environmental Sciences	2014	4.00/ 05	Excellent
10.	Biological Sciences	Zoology	2013	4.10/ 05	Excellent
11.	Physical and Material Sciences	Environmental Sciences	2013	4.00/ 05	Excellent
12.	Biological Sciences	Zoology	2006	> 37 (> 75%)	Excellent

## Moocs Course Developed: As a course Coordinator: Prof. Md. Niamat Ali

1. **Basic Human Genetics (Biological Sciences and Bioengineering):** September 2021: Two credit course comprising 25 modules; Designed reading objectives of twenty five videos documents, 30 minutes each 2331 learners enrolled [[https://onlinecourses.swayam2.ac.in/cec21\\_bt21/preview](https://onlinecourses.swayam2.ac.in/cec21_bt21/preview)].
2. **Cytogenetics: July 2018;** Four credit course comprising 50 modules; Designed reading objectives of fifty videos documents, 30 minutes each 563 learners enrolled [<https://swayam.gov.in/courses/5054-cytogenetics> and <https://www.scribd.com/document/382169261/Swayam-Book-Release-VF>] (Certificate attached)
3. **Reviewer of Academic Video Documents, E-module Content for Biomedical Science, Assigned by Educational Multimedia Research Centre, University of Kashmir, Srinagar, J & K, India: 35**

## Consultancy Assignments (Director: CORD – 2021 to 2024)

1. **Conservation through Science and Innovation Laboratory” partnership agreement by and between [A memorandum of understanding (MOU):**

- A. Centre of Research for Development (CORD)
- B. The Council of Scientific and Industrial Research (CSIR): CS: IR-CCBM
- C. Atal Incubation Centre (AIC)-Center for Cellular and Molecular Biology (CCMB): AIC-CCBM
- D. IKP Knowledge Park (IKP)
- E. All parties, are engaging in an agreement to set up Conservation through Science and Innovation Laboratory (COSI Lab) based in Centre of Research for Development (CORD), University of Kashmir, Srinagar, J&K, India with support from CSIR-CCBM, AIC-CCBM and IKP

REC FOUNDATION CSR Assistance of Rs 1.85 crores under CSIR For IMPLEMENTING THE ABOVE PROJECT

2. **Consultancy project under the Director CORD:**

Project proposal, terms of reference and financial quote for conducting EIA of “Relocation and Realignment of House boat at Doletem Dal Lake Srinagar” by Office of the Executive Engineer Lake Division IST, J&K Lakes & Waterways Development Authority LDA Complex, Miskeen Bagh, Srinagar [Amount sanctioned: Rs. 15.00 lakhs]

## Scholarship, Fellowship, Awards Achieved:

- Pool Officer: CSIR, New Delhi, Section of Genetics, Department of Zoology, A.M.U., Aligarh.
- Research Associate: CSIR, New Delhi, Section of Genetics, Department of Zoology, A.M.U., Aligarh.
- SRF (I. C. A. R., New Delhi) during Ph. D Programme.
- JRF (U. G. C, New Delhi) during M. Phil Programme.
- National Merit Scholarship (Govt. of West Bengal) during M. Sc. Course.
- Dr. Navin Chandra Award for Securing Highest Marks During B. Sc. (Hons.) by University of Burdwan, West Bengal, India.

## Workshop and Training Course Attended, Research Skills and Experience Acquired:

- One day workshop on "Molecular Docking", NextGen Life Sciences; New Delhi (Online): 20. 01. 2024
- One day workshop on "Towards Quality Enhancement of University Publications" organized by Directorate of Internal Quality Assurance (DIQA), University of Kashmir, Srinagar on 20. 12. 2022
- One week Training cum Workshop on "Stem Cell Biology" which is organised by Tata Memorial Centre, Advanced Centre for Treatment, Research and Education in Cancer, Kharghar, Navi Mumbai - 410 210, India, w. e. f 23<sup>rd</sup> to 28<sup>th</sup> January, 2017
- Three Weeks Capacity Building Programme on "DNA Barcoding of Animals Using Cytochrome-C Oxidase Subunit I (COI)", Organized by Rajiv Gandhi Centre for Biotechnology, Centre for Advanced Research and Training in Biotechnology, Department of Biotechnology, Ministry of Science & Technology, Government of India, Thycad, Thiruvananthapuram, Kerala, India.
- One Month "Training Cum Workshop on Molecular Biology", Organized by SHRM Bio-technologies, Poddar House, Madhyamgram, Kolkata-700155, West Bengal, India.
- One Month Training Course on "Cloning and Expression of Animal Genes" Organized by Jiwaji University; Gwalior, India. (sponsored by DBT, New Delhi). University Grand Commission (New Delhi) Recognized this Training Programme as Refresher Course.
- Two Weeks National workshop on "Application of Tissue Culture in Genetic Studies" Organized by National Dairy Research Institute, Karnal, Haryana, India.

- Three Weeks “XI<sup>th</sup> National Training Programme on Electron Microscopy for Scientific Investigators”, Organized by All India Institute of Medical Sciences, New Delhi, India.
- One Week Training Programme on “Writing a Scientific Paper” Organized by Publication and Information Directorate (PID), CSIR, Delhi, India.
- Three Weeks Capacity Building Programme on “Multimedia and E-content Development” Organized by IUAC Campus, Aruna Asaf Ali Marg, New Delhi in collaboration with EMMRC, Kashmir University, Srinagar – 190 006, J & K, India.
- Three Weeks National Training Programme on “Experimental Parasitology, Molecular Biology and Immunodiagnosics”, Organised by P .G. Department of Zoology, University of Kashmir, Srinagar-190 000, J & K, India.
- Ten Days National Workshop on “Experimental Parasitology and Immunodiagnosics”, Organized by P. G. Department of Zoology, University of Kashmir, Srinagar-190 006, J & K, India.
- One Week Workshop on “Internet Assessment and Online Information Retrievals”, Organized by Indian National Science Documentation Centre, New Delhi, India.
- One Week Workshop on “Electron Microscope, X- Ray Diffraction and their Application in Material Sciences and Biological Sciences”, Organized by USIC, Jadavpur University, Kolkata, West Bengal, India.
- One Year Diploma Course in Statistics, A. M. U., Aligarh, India.

**Invited Talks, Delivered as a Resource Person: 10**

**Research Papers Presented/ Participated in Seminar/ Symposium (Oral/ Poster): 15**

**Review Articles Contributed for the Guide Books Edited for the Participants of Workshops: 10**

**Reviewer of Academic Video Documents, E-module Content for Biomedical Science, Assigned by Educational Multimedia Research Centre, University of Kashmir, Srinagar, J & K, India: 35**

**Workshop/Conferences/Seminar Organized: 02 + 06**

**Organizing Secretary:** Two days National Seminar on, “Envoronmental Pollution: Join the Race to Make the world a Better Place” 4<sup>th</sup>-5<sup>th</sup> June, 2016; Department of Environmental Science and Centre of Research for Development, University of Kashmir, Srinagar-190 006, J & K, India.

**Life Member of Academic/ Learned Societies:**

- Indian Science Congress Association, India.
- Environmental Mutagen Society of India, India

**Major Field of Research and Teaching Interest:**

- Cytogenetics and Molecular Biology
- Toxicogenomics
- Human Genomics and Proteomics
- Stem Cell Biology, Regenerative Medicine, Radiation Biology and Gene Therapy
- Cell and Tissue Culture Technology and Ageing Biology
- PCR and DNA Fingerprinting Technology, FISH Technology and Comet Assay
- Biostatistics and Bioinformatics

**Number of M. Phil degree awarded under supervision: 08**

**Number of Ph. D awarded + submitted: 13 + 05**

**Number of Ph. D Scholars presently working under supervision: 03**

**Research Papers Published in National and International Journals of Repute (IF from Thompson and Reuters, 2019):**

**Research paper: 102**

**Book Chapter: 10**

**Book: 02 + 1**

- Environmental Chemistry Letters (Springer: IF = 13.615)
- Agronomy for Sustainable Development (Springer Paris: IF = 7.032)
- Journal of Clinical Medicine (Elsevier: IF = 5.098)
- Chromosoma (Springer Verlag: IF = 4.196)
- Drug and Chemical Toxicology (Elsevier: IF = 3.356)
- Meta Gene (Elsevier: IF = 3.688)

- International Immunopharmacology (Elsevier: IF: 3.9)
- Archives of Medical Research (Elsevier: IF = 2.64]
- Journal of Ethnopharmacology (Elsevier : IF = 3. 728)
- Chemosphere (Elsevier: IF = 3.613)
- International Immunopharmacology (Elsevier: IF: 3.36).
- Mutation Research/ Genetic Toxicology and Environmental Mutagenesis (Elsevier: IF = 3.68)
- Saudi Journal of Biological Sciences (Elsevier: IF = 3. 42)
- Ecotoxicology and Environmental Safety (Academic Press: IF = 2.718)
- Toxicology Reports (Elsevier: IF: 2.73)
- Archives of Medical Research (Elsevier: IF: 2.64)
- Drug and Chemical Toxicology (Taylor and Francis Online: IF: 2.4)
- Heliyon (Elsevier: IF: 1.65]
- Caryologia: International Journal of Cytology, Cytosystematics and Cytogenetics. (Firenze University Press: IF 1.14)
- Microbial Pathogenesis (Elsevier: IF: 1.888 )
- Indian Journal of Experimental Biology (NISCAIR, CSIR, New Delhi: IF = 1.295)
- Toxicological and Environmental Chemistry (Taylor and Francis: IF = 1. 020)
- Mitteilungen der Schweizerischen Entomologischen Gesellschaft. Bulletin de la Societe Entomologique Suisse (Schaffhausen puis Lausanne puis Zurich: IF = 0. 764)
- Journal of Scientific and Industrial Res (NISCOM, CSIR, New Delhi: IF = 0.5)

### Convener of Workshop/ Seminar/ Conference

1. One Day National Symposium on World Microbiome Day under the theme “Microbiomes for Life: Celebration of the Microbial World” Organized by: Centre of Research for Development (CORD) in collaboration with Microbiologists Society, India (MSI): 27th June, 2022
2. Workshop on “Reproductive Technologies in Wildlife Conservation” Organized by: Biodiversity and Wildlife Conservation Laboratory at CORD, University of Kashmir and CCMB-Laboratory for Conservation of Endangered Species: 18-20 May 2022
3. Cafe Mandala, Bio-entrepreneurship and skilling for Kashmir and Ladakh, Organized by: AIC-CCMB and CORD, KU: 21st July, 2022,
4. Talk on “Travellers in Trouble: Threats to migratory birds” Talk on “Travellers in Trouble: Threats to migratory birds”, by Dr. Asad R. Rahmani, Member, Governing Body Wetlands International South Asia; Organized by: CORD, KU 24th August 2022
5. One day brain storming meeting on “Developing technologies for diagnosing impurities in fibre used in the Pashmina shawl weaving industry” Organized by: CSIR-CCMB, Hyderabad and CORD, KU 19 September, 2022
6. Inauguration of Conservation Science and Innovation Laboratory (CoSI Lab) Inaugurated by: Prof Nilofer Khan (Hon’ble VC), Dr. Mohit Gera (PCCF and HOFF, J&K), Dr. Vinay Nandicoori (Director CSIR-CCMB), Mr. Suresh Gupta (CWLW, J&K). 21 September, 2022
7. Two day workshop on, “Hands-on training on techniques for isolation of DNA and quantitative PCR for environmental and forensic samples” Organised by: Centre of Research for Development (CORD), University of Kashmir in

collaboration with Atal Incubation Center (AIC-CCMB), Laboratory for the Conservation of Endangered Species (LaCONES-CCMB), IKP Knowledge Park Hyderabad, and RECL Jammu 6 & 7 th March, 2023

8. Three day Workshop on, "Wrap up of tools and techniques in Microbiology" Organised by: Microbiology Research Laboratory and P.G Programme in Microbiology, Centre of Research for Development (CORD), University of Kashmir: 15-17th March, 2023

### **Contribution to the Institution: Participation in University Committees**

- Nominated as an expert by Govt. of J & K, for undertaking the evaluation of R&D Project of DST, Govt of Jammu and Kashmir: 02. 03. 2023
- Committee member under the chairmanship of Hon'ble Vice-Chancellor to evaluate the application for Ramanujam, Ramalingasawami, Inspire Faculty Fellowship: 19. 04. 2021
- Nominated Member, Academic Council, University of Kashmir, Srinagar: 18. 02. 2023
- Nominated Member, Roster Committee for Implementation of Reservation Policy for Direct recruitment of Assistant Professors and other Non-teaching Posts, Cluster University, Srinagar : 05. 07. 2021 to till date.
- Nominated by the Hon'ble Vice-Chancellor, Cluster University, Gogji – Bagh, Srinagar as a member of enquiry committee, in order to examine and enquire into the allegations (regarding the fraudulent claims of publication in a very high impact factor journal), leveled against some faculty members of S. P. College, Srinagar: 03. 11. 202
- Member of the Postgraduate Studies for Microbiology, University of Kashmir: 19. 12. 2016 to 11. 12. 2020
- Member of the Postgraduate Studies for Microbiology, University of Kashmir: 12. 12. 2020 to till date
- Vice-Chancellor's nominee as an Expert Member: Pre-board meeting of Board of Studies of the Department of Biotechnology and Zoology, 09. 05. 2016, Central University of Kashmir, Nowgam Campus Srinagar-190 015, J & K, India
- Vice-Chancellor's nominee as a RPAC and DRC Observer, Centre of Shaikh-ul Aalam Studies, University of Kashmir, Srinagar
- Vice-Chancellor's nominee as a DRC and Pre-BORS and RPAC observer, South Campus, University of Kashmir, Anantanag: F(DRC-2RCSC)KUSC/22; 23. 06. 2021
- Member, Pre-BORS IN THE School of Biological Sciences, University of Kashmir, Srinagar: 16. 03. 2022
- Member, Board of Research Studies in Biological Sciences, University of Kashmir, Srinagar: 27. 09. 2022
- Vice-Chancellor's nominee as a DRC and Pre-BORS and RPAC observer, Department of Nanotechnology, University of Kashmir, Srinagar: 01. 07. 2022.
- Nominated member, Pre-BORS in the School of Earth & Environmental Sciences 05. 11. 2018

### **Vice Chancellor Nominee: Expert member/ observer**

1. Technical purchase committee and project fellow appointment: Dr. M. Ashraf Dar, PI, Department of Biochemistry, University of Kashmir: Ref no: KU2020- Bche-3047
2. Appointment of contractual lecturers, required in CORD (Microbiology). Ref no: F (Interview –CL-Microbiology) DSBD/KU/21
3. Engagement of a JRF in the SERB-sponsored project, under Prof. Basharat Ahmad Wani, Department of Physics, University of Kashmir, Srinagar
4. RPAC and DRC Observer, Centre of Shaikh-ul Aalam Studies, University of Kashmir, Srinagar
5. DRC and Pre-BORS and RPAC observer, South Campus, University of Kashmir, Anantanag: F(DRC-2RCSC)KUSC/22; 10. 03. 2022
6. DRC and Pre-BORS and RPAC observer, South Campus, University of Kashmir, Anantanag: KU2021-DRES-13558; 22. 04. 2022
7. Selection committee research fellow position, Coordinator, SAP, Department of Biotechnology, University of Kashmir, Srinagar; 13. 10. 2021
8. Workshop on Forest, Biodiversity and Climate change, SKICC, Srinagar: F(WORKSHOP-Forest-SKICC/KU/ 2021; 07. 10. 2021
9. Selection Committee for the appointment of Contractual Lecturers in the School of Applied Sciences and Technology , University of Kashmir, Srinagar ( Electronics and IT, Home Sciences, Pharmaceutical Sciences and Food Science & Technology, Computer Sciences- Main, North and South campuses): KU2022/DFAS; 16. 03. 2022

10. Selection Committee for the appointment of Contractual Lecturers in the School of Physical and Material Sciences, University of Kashmir, Srinagar (Physics, Chemistry, Mathematics and Statistics); F9DFPMS-CL-Int.) KU/ 22; 06. 04. 2022
11. Selection Committee for the appointment of JRF/ DST/SERB, Department of Environmental Sciences, University of Kashmir, Srinagar; KU/ Env./SERB/ JRF/22
12. Technical committee/ purchase, Welcome Trust DBT run by Dr. Ajaz ul H. Wani, PI, Department of Biotechnology, University of Kashmir, Srinagar; F9TC/PC) D. Res/ KU/ 22; 09. 02. 2022
13. Technical committee/ purchase, Department of Food Science and Technology, University of Kashmir, Srinagar; 15. 02. 2022
14. DRC and Pre-BORS and RPAC observer, South Campus, University of Kashmir, Anantanag: F(DRC-meeting)/SC/KU/ 21/ 22RCSC)KUSC/21/2; 22. 09. 2021
15. Selection Committee for the appointment of JRF/ JK ST &IC, Govt of J&K Sanctioned Project; , under Dr. Hidayatullah Tak, Department Zoology, University of Kashmir, Srinagar; F(JKST&IC-Project/Avd. /Zool./KU/ 22; 14. 12 2021
16. Technical committee/ purchase, Project under Prof. Manzoor A. Shah, Department of Botany, University of Kashmir, Srinagar; F(T/P/C)D. Res/KUU/21; 11.10. 2022
17. Purchase of equipment under WOS-A project: Naziya Khurshid and Insha Amin, CORD, University of Kashmir