

CURRICULUM VITAE

Ab Latif Wani, M.Sc, M.Phil., Ph.D.

Cytogenetics and Molecular Toxicology Laboratory,
Section of Genetics, Department of Zoology,
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SUMMARY & HIGHLIGHTS

Highly accomplished and award-winning scientist with extensive experience in Public and Occupational Health, Cytogenetics, Molecular Toxicology, Nutrition etc. ***Featured in Stanford University's global list of top 2% Scientists.*** Proven ability to conduct impactful research, published in high-impact journals, and contribute to academic and scientific communities. Seeking opportunities to leverage expertise in research and teaching in Biology, Public Health and Nanomedicine.

Research Publications (25); Books (1); Magazine or Newspaper Articles (4)

Citations: 3763 (Google Scholar as on 17-06-2026); Research Gate Reads (>79,642)

Google Scholar Link:<https://scholar.google.com/citations?hl=en&user=SWuoLEAAAAAJ>

Research Gate Link:<https://www.researchgate.net/profile/Ab-Latif-Wani>

Awards: Best Ph.D. Thesis Award; CSIR-Research Associateship (Postdoctoral Fellowship);
National Environmental Science Academy (NESA) Best Young Scientist of the Year-2019

POST-PhD RESEARCH EXPERIENCE

Postdoctoral Research and Teaching Associate (2018-2021)

Department of Zoology, Aligarh Muslim University April 2018 – April 2021

- Awarded India's prestigious postdoctoral research award (CSIR-RA) by the Council of Scientific and Industrial Research (CSIR).

ACADEMIC QUALIFICATIONS

Degree	Major	Year	University
Ph.D. Recipient of the Best Ph.D. Thesis Award	Life Sciences (Environmental Public Health, Nutrition and Toxicology)	Feb-2018	Aligarh Muslim University
M.Phil. First in Batch	Life Sciences (Human Genetics and Behaviour)	Sept-2013	Aligarh Muslim University
M.Sc.	Life Sciences	2010	Aligarh Muslim University
B.Sc.	Biology/Life Sciences	2008	University of Kashmir

RESEARCH PROJECTS COMPLETED:

Postdoctoral Research Associateship; May 2018 – April 2021 (3years))

Project Title: *Influence of tobacco on genotoxicity and oxidative stress among workers having occupational exposure to lead*

Supervisor: Prof. G. G. H. A. Shadab, Professor, Department of Zoology, Aligarh Muslim University, India / CSIR, New Delhi- India

Ph.D. in Life Sciences (2014-2018)

Project Title: *Genetic and Toxicological Studies on Workers Occupationally Exposed to Lead and Zinc*

Supervisors:

Prof. G. G. Hammad Ahmad Shadab, Professor, Department of Zoology, Aligarh Muslim University, India and

Prof. Jawed Ahmad Usmani, Professor, Department of Forensic Medicine, Jawaharlal Nehru Medical College, Aligarh Muslim University, India

M.Phil. in Life Sciences (2011-2013)

Project Title: *Genetic Studies on Blood Phobia in North Indian Human Population*

Supervisor: Prof. Anjum Ara, Professor, Department of Zoology, Aligarh Muslim University, India

M.Sc.in Zoology (Dissertation)

Project Title: *Effect of lysine and methionine on growth, feed conversion and protein retention ratio in fingerling Cyprinus carpio*

Supervisor: Prof. Mukhtar Ahmad Khan, Professor, Department of Zoology, Aligarh Muslim University, India

RECOGNITIONS & AWARDS

1. Featured in the **Top 2% List of Global Scientists** published by the Stanford University, USA, 2022.
2. Awarded the National Environmental Science Academy (NESA)-India, **Best Young Scientist of the Year-2019** for my contribution towards research in Environmental and Occupational Health.
3. Awarded the **Best Ph.D. Thesis Award** in recognition of the best Ph.D. thesis and academic excellence at Graduation. Felicitated on this by vice chancellor AMU on 30th May 2018 during the annual day celebration of Department of Zoology, AMU, Aligarh, India.
4. Awarded the **Postdoctoral fellow position at School of Medicine, Zhejiang University (ZJU)**. (Funded by China National Science Foundation) Peoples Republic of China. Could not avail due to the COVID-19 Pandemic.
5. Awarded Council of Scientific and Industrial Research's **Research Associateship (CSIR-RA)** as India's prestigious postdoctoral fellowship and felicitated on this by vice chancellor AMU on 30th May 2019 during the annual day celebration of Department of Zoology, AMU, Aligarh, India.
6. Availed University Grants Commission New Delhi's non-NET fellowship during M. Phil. and Ph.D. at Aligarh Muslim University.

TEACHING EXPERIENCE:

1. Assistant Professor (Contractual), Department of Higher Education, Govt. of Jammu and Kashmir, India **(July 2021 – Present)**

Courses Taught:

Genetics and Evolution, Immunology, Parasitology, Animal Diversity, Fisheries and Aquaculture, Wildlife Sciences

2. Teaching Assistant, Department of Zoology, Aligarh Muslim University **(2018-2020)**

Courses Taught:

Public Health and Toxicology, Immunology, Parasitology, Animal Diversity, Fisheries and Aquaculture, Biological Chemistry and Environmental Sciences at M.Sc. and B.Sc. levels.

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

- ❖ Life member of the “Indian Society of Human Genetics” (ISHG). L/1836/2016 ”.
- ❖ Life member of “Environmental Mutagen Society of India No. LM-2018-12
- ❖ Life member of the Vibha India (Vijnana Bharti) - a movement for the scientific advancement thorough out the nation.
- ❖ Member of the “International Society of Zoological Sciences (ISZS)” Beijing (Chinese Academy of Sciences).
- ❖ Life Membership of “National Environmental Science Academy” (NESA), New Delhi, India. (Life Membership No. 2086)

EDITORIAL BOARD MEMBER OF JOURNALS

1. Applied Clinical Pharmacology and Toxicology

PEER REVIEW EXPERIENCE (REVIEWED FOR THE JOURNALS)

1. PLOS ONE; Impact Factor 2.6
2. Scientific Reports (Nature); Impact Factor 4.3
3. ACS Omega (American Chemical Sciences); Impact Factor 4.4
4. Journal of Biochemical and Molecular Toxicology (Wiley);Impact Factor 2.8
5. Advances in Public Health (Wiley);Impact Factor 1.2
6. Biological Trace Element Research (Springer); Impact Factor 3.8
7. Environmental Science and Pollution Research (Springer); Impact Factor 5.8
8. Toxicology and Industrial Health (Sage Publications); Impact Factor 1.8
9. Turkish journal of Hematology; Impact Factor 1.5
10. Preventive Medicine: Research &Reviews (Wolters Kluwer)
11. Journal of Applied Pharmaceutical Sciences
12. World Journal of Pharmacy and Pharmaceutical Sciences

PUBLICATIONS:

1. Parveen N, Akbarsha MA, **Wani Ab Latif**, Ansari MO, Ahmad MF, Shadab GG. Protective effect of quercetin and thymoquinone against genotoxicity and oxidative stress induced by ZnO nanoparticles in the Wistar rat model. ***Mutation Research/Genetic Toxicology and Environmental Mutagenesis.2023;890:503661.Impact Factor: 1.9***;<https://doi.org/10.1016/j.mrgentox.2023.503661>
2. **Ab Latif Wani**, G. G. H. A. Shadab, Mohammad Afzal. Lead and zinc interactions - an influence of zinc over lead related toxic manifestations, ***Journal***

- of Trace Elements in Medicine and Biology* 64 (2021) 126702. [Elsevier] Impact Factor: 3.7;DOI:[10.1016/j.jtemb.2020.126702](https://doi.org/10.1016/j.jtemb.2020.126702)
3. Arifa Shaheen*, Ab Waheed Mir, Rabia Arif, **Ab Latif Wani**. Synthesis, micellization behavior and cytotoxic properties of imidazolium based gemini surfactants. *Colloid and Interface Science Communications*. 36 (2020) 100257.[Elsevier] Impact Factor: 4.5;<https://doi.org/10.1016/j.colcom.2020.100257>
 4. **Ab Latif Wani**, Mohd Owais Ansari, Md Fahim Ahmad, Nuzhat Parveen, Hifzur R. Siddique, GGHA Shadab. Influence of zinc levels on the toxic manifestation of lead exposure among the occupationally exposed workers. *Environmental Science and Pollution Research*. 26(32): 33541-33554,2019 [Springer] Impact Factor: 5.8;DOI:[10.1007/s11356-019-06443-w](https://doi.org/10.1007/s11356-019-06443-w)
 5. **Ab Latif Wani***, G. G. H. A. Shadab. Brain, behaviour and the journey towards neuroepigenetic therapeutics. *Epigenomics*, 11 (8): 969-981, 2019 [Future Medicine] Impact Factor: 4.8;DOI: [10.2217/epi-2018-0014](https://doi.org/10.2217/epi-2018-0014)
 6. Mohd Owais Ansari, Md Fahim Ahmad, Nuzhat Parveen, **Ab Latif Wani**, Hifzur R. Siddique,GGHA Shadab*. Evaluation of DNA interaction, genotoxicity and oxidative stress induced by iron oxide nanoparticles and its attenuation by Thymoquinone: in vitro and in vivo. *Scientific Reports* 9 (6912) 2019 [Nature] Impact Factor: 4.6;<https://doi.org/10.1038/s41598-019-43188-5>
 7. **Ab Latif Wani***, G. G. H. A. Shadab. Understanding neurobehavioural dynamics – a close-up view on psychiatry and quantum mechanics. *Malaysian Journal of Medical Science*. 26 (1): 147-156, 2019 Impact Factor: 1.3;doi:[10.21315/mjms2019.26.1.14](https://doi.org/10.21315/mjms2019.26.1.14)
 8. Md Fahim Ahmad, Mohd Owais Ansari, Sana Jameel, **Ab Latif Wani**, Nuzhat Parveen, Hifzur R Siddique, G. G. H. A. Shadab*. Protective Role of Nimbolide against Chemotherapeutic Drug Hydroxyurea Induced Genetic and Oxidative Damage in an Animal Model. *Environmental Toxicology and Pharmacology*. 60, 91-99, 2018 [Elsevier] Impact Factor: 4.8;DOI:[10.1016/j.etap.2018.04.006](https://doi.org/10.1016/j.etap.2018.04.006)
 9. **Ab Latif Wani***, Ajaz Ahmad, G. G. H. A. Shadab, Jawed Ahmad Usmani. Possible role of zinc in diminishing lead related occupational stress - a zinc nutrition concern. *Environmental Science and Pollution Research*.

2017;24(9):8682-91 [Springer] Impact Factor: 5.8;DOI: [10.1007/s11356-017-8569-5](https://doi.org/10.1007/s11356-017-8569-5)

10. **Ab Latif Wani***, Nuzhat Parveen, Mohd. Owais Ansari, Md. Fahim Ahmad, Sana Jameel and G. G. H. A. Shadab. Zinc: an element of extensive medical importance. *Current Medicine Research and Practice*. 2017; (3), 90-98 [Elsevier];<https://doi.org/10.1016/j.cmrp.2017.02.006>
11. **Ab Latif Wani***, Jawed Ahmad Usmani. Occupational stress among workers having exposure to lead. *Clinical Epidemiology and Global Health*, 2016;(4):163-170 [Elsevier] Impact Factor: 2.6;<https://dx.doi.org/10.1016/j.cegh.2015.12.004>
12. **Ab Latif Wani***. Understanding adult neurogenesis beyond its role in learning and memory formation. *Educacion Medica*. 2016; 18 (2), 144-147 [Elsevier] Impact Factor: 0.8;DOI: [10.1016/j.edumed.2016.06.006](https://doi.org/10.1016/j.edumed.2016.06.006)
13. **Ab Latif Wani**, Anjum Ara*, Sajad Ahmad Bhat. Blood Injury and Injection Phobia- the neglected one. *Behavioral Neurology*, 2014 (2014) Article ID 471340 [Wiley] Impact Factor: 2.8;doi:[10.1155/2014/471340](https://doi.org/10.1155/2014/471340)
14. **Ab Latif Wani***, Personalized Medicine: A near future or yet miles to go? *Advances in Integrative Medicine*, 2015;2: 112-113 [Elsevier] Impact Factor: 1.7;DOI:[10.1016/j.aimed.2015.06.001](https://doi.org/10.1016/j.aimed.2015.06.001)
15. **Ab Latif Wani***,Anjum Ara, Jawed Ahmad Usmani. Lead Toxicity: A review. *Interdisciplinary Toxicology*. 2015;2:1-10 [De Gruyter] Impact Factor: 3.3;doi:[10.1515/intox-2015-0009](https://doi.org/10.1515/intox-2015-0009)
16. **Ab Latif Wani**, Sajad Ahmad Bhat, Anjum Ara*. Omega-3 fatty acids and the treatment of depression-a review of scientific evidence. *Integrative Medicine Research*. 2015;4:3, 132-141 [Elsevier] Impact Factor: 3.4;doi:[10.1016/j.imr.2015.07.003](https://doi.org/10.1016/j.imr.2015.07.003) (Appreciated by the Chief Editor of the Journal)
17. **Ab Latif Wani**, Anjum Ara*. Gene environment meshing: A primordial stepping towards behavioral modulation. *Advances in Psychiatry and Neurology*. 2015; 24 (1): 26-33 [Elsevier]Impact Factor: 0.6;<https://doi.org/10.1016/j.pin.2015.02.004>
18. **Ab Latif Wani**, Anjum Ara*. Blood Injury Phobia: An overview of gender specific brain differences. *The journal of neurobehavioral Science*. 2014; 1(3): 82-87 [Uskudar University Press];DOI: [10.5455/JNBS.1410375823](https://doi.org/10.5455/JNBS.1410375823)

19. **Ab Latif Wani**, Sajad Ahmad Bhat, Anjum Ara*. Persistence and inheritance of blood injury and injection phobia. *Gulhane Medical Journal*. 2016;58: 67-73.[*ScopeMed*];doi:10.5455/gulhane.172838
20. **Ab Latif Wani***. Phobia and Phobic memories: An old issue with a new concept. *Disease and Molecular Medicine*. 2014; 2 (4): 70-72 [*ScopeMed*];DOI:10.5455/dmm.20150101094532
21. Sajad Ahmad Bhat^a, **Ab Latif Wani^a** and Anjum Ara*. St John's Wort in the treatment of Major Depression Disorder. *Ulutas Medical Journal*. 2015; 1(2): 16-21.[*ScopeMed*] [^a*Equal Contribution*]; DOI: 10.5455/umj.20150418040725
22. **Ab Latif Wani**, Anjum Ara. On Moving towards Epigenetic therapeutic drugs *Advances in Life science and Health*. 2015; 2 (1) 103-107 [*Scientific Online*]
23. **Ab Latif Wani***, Anjum Ara. Blood Phobia prevalence: a requirement for urgent attention.OA *Behavioural Medicine* 2014 Apr 11;2(1):4 [*OA Publishing London*]
24. Sajad Ahmad Bhat, **Ab Latif Wani**, Anjum Ara*, Bano Saidullah. An Epidemiological study on Depression and its Comorbid Traits. *International Journal of Latest Research in Science and Technology*. 2014; 3 (4): 12-17
25. Sajad Ahmad Bhat, **Ab Latif Wani**, Anjum Ara*. Animal models of depression and their criteria of validation. *Journal of Chemical and Pharmaceutical Research*, 2014, 6(10):123-130

Communicated:

1. Epigenetic influence and the impact of stress on the learning and memory formation.
2. The Impact of Stress Determinants on the Human Brain and Behavior.
3. The Upside of Stress: Harnessing its Potential for Personal Growth.
4. Impact of lead exposure on human civilizations and the recently developed technological approaches to mitigate lead exposure.

Books

1. Blood Injury Injection Phobia- **Ab Latif Wani** and Anjum Ara, **LAP Lambert Academic Publishing, GmbH Germany, ISBN 978-3-8433-5660-2**

Magazines/ Newspapers Articles

1. “Mental Conflagration in Kashmir” article published in the leading monthly magazine “The Kashmir Walla” (A magazine covered by BBC and Aljazeera)
2. “On tackling Winter Dryness” article published in the leading daily “Rising Kashmir”
3. Electric Blankets! Are they Safe? (Article published in Authint Mail)
4. Cell Phone Catastrophe (published in Science Buzz Malaysia)

CERTIFICATE COURSES COMPLETED

Certificate Courses	University/Institution	Year	Remarks
Course on Academic writing	Swayam Moocs Government of India	2022	Completed
Course on Environmental and Occupational Hazards	Swayam Moocs Government of India	2022	Completed
Certificate Course on Introduction to Photography	Indian Institute of Information Technology Kota (IIITK) (MOOC)	2022	Completed
Certificate Course in Basic Computer Skills	Indian Institute of Information Technology Kota (IIITK) (MOOC)	2022	Completed
Certificate Course in Environmental Sustainability	Swayam Moocs Government of India	2021	Completed
Certificate Course in Biology XII	Swayam Moocs Government of India	2021	Completed
Certificate Course in Biology XI part I	Swayam Moocs Government of India	2021	Completed

Online Modules Completed

1. 10 tips for writing a truly terrible review by Dr. Bert Blocken ([Elsevier](#))
2. How to review a manuscript by Dr. Jaap van Harten ([Elsevier](#))
3. How to promote your research for maximum impact by Dr. Gwen Van der Heide ([Elsevier](#))
4. Seven strategies for scientists to communicate their research and create a brand by Dr. Joshua Barham ([Elsevier](#))

SEMINARS/CONFERENCES/SYMPOSIUMS/WORKSHOPS ATTENDED:

1. Participated in the webinar titled **“The international forum on quality and safety in health care virtual workshop: doing more with less-reducing waste and improving quality”** organized jointly by *BMJ-UK and Institute for Health Care Improvement* on 13th August 2020.
2. Participated in the webinar titled **“The international forum on quality and safety in health care virtual workshop: Leadership and Culture for Change during COVID-19”** organized jointly by *BMJ-UK and Institute for Health Care Improvement* on 06th August 2020.
3. Attended and fully involved with the organizing team of an **“International Conference on Advances in Zoological Research (ICAZR)”** held at Department of Zoology, AMU, Aligarh on March 9-10, 2019, and presented a paper entitled “Impact of zinc levels on the toxic manifestation of lead among occupationally exposed workers”.
4. Attended a national conference on **“Recent advances in Life Sciences”** held at the Department of Zoology, Poona college of Arts, Science and Commerce and on January 5-6, 2019, and presented a paper entitled “Influence of lead related occupational exposure on the alterations in haematological profile and correlations with blood zinc levels”.
5. Participated in a workshop on **Foss Based Reference Manager toll “Mendeley and Scopus”** organized by the department of computer science in collaboration with Elsevier Asia, on Feb 25th, 2017
6. Participated in the **National Science Fest “Biospark”** organized by the faculty of life science, Aligarh Muslim University February 21-22, 2018, and presented a paper entitled “Gene environment interaction, epigenetic changes and behavioural modulation – a review of scientific evidence”.
7. Participated and attended hands on training workshop on **“Flow Cytometry”** organized by the Department of Microbiology, Jawaharlal Nehru Medical College Aligarh Muslim University, Aligarh in collaboration with Becton and Dickinson (BD Bioscience), India on May 17th, 2017.

8. Participated in an International workshop on **“Publishing in high impact journals”** organized by the department of computer engineering, Zakir Husain College of Engineering and Technology, Aligarh Muslim university, Aligarh, India on April 25th, 2017.
9. Attended a national conference on **“Recent advances in chemical sciences”** held at the Department of chemistry, Aligarh Muslim University on March 25-26, 2017, and presented a paper entitled **“Association of blood zinc and lead levels and its effect on the DNA damage among workers having occupational exposure to lead and zinc”**.
10. Participated in the seminar on **“T. B and its Treatment” held on 24th March 2017** organized by the GIFTS NGO in collaboration with department of T.B and chest, faculty of Medicine at Aligarh Muslim University, Aligarh.
11. Participated in the symposium cum Bioinformatics workshop on **“Current Trends in Proteomics and Bioinformatics”** sponsored by the University Grants Commission & Department of Biotechnology, New Delhi, India at the Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh during March 16 - 17th, 2017.
12. Participated in a workshop on **“Introduction to Data Science using Stastictica”** organized by the Department of computer engineering, Zakir Husain college of engineering and technology, Aligarh Muslim university, Aligarh, India on March 6th, 2017
13. Attended national symposium on **“Advances in life sciences-emphasis on endocrinological aspects”** organized by the Department of Zoology, AMU, Aligarh under the aegis of Indian Society of Endocrinology on 12 Nov. 2016
14. Participated in a workshop on **“Optical Microscopes”** organized by the Department of Applied Geology, Faculty of Science, Aligarh Muslim University, Aligarh, India on March 9th, 2016
15. Attended and presented a paper at national workshop and exhibition entitled **“Eco Summit 2016” held on 23rd Feb. 2016** organized by Eco Club Eco Club Aligarh Muslim University, India.

16. Attended International Conference and presented a paper on **“Possible role of zinc in diminishing lead related occupational stress-a zinc nutrition concern”** at “6th International conference on technology innovation and management for sustainable development” held on 11th to 13th Feb 2016 at ITM University Gwalior, India.
17. Attended national Symposium on **“Neurosciences and its future prospects”** held on **February 15, 2014**, organized by Interdisciplinary Brain Research Center, Faculty of Medicine, JN Medical College Aligarh Muslim University.
18. Attended International Symposium and Workshop on **“The Control of Helminth Parasites with Emphasis on Liver Fluke”** and **“Liver Fluke: an RNAi Workshop”** held during **11-12 Feb 2013** conducted jointly by BBSRC-UK (Bioscience for the future) and Department of Zoology Aligarh Muslim University.
19. Attended national Symposium on **“Emerging Trends in Biological Sciences, special emphasis on Neuroscience”** and presented a paper entitled **“Studies on the inheritance pattern and Prevalence of Blood Injection and Injury Phobia (BII)”** organized by Interdisciplinary Brain Research Centre, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh during **24-25, Sept 2012**.

Symposiums/ Conferences organized

1. Fully involved with the organizing team of the national Symposium on **“Emerging Trends in Biological Sciences, Special Emphasis on Neuroscience”** at Interdisciplinary Brain Research Center, Jawaharlal Nehru Medical College, Aligarh Muslim University, Aligarh during **24-25, Sept 2012**.
2. Fully involved with the organizing team of an **“International Conference on Advances in Zoological Research (ICAZR)”** held at Department of Zoology, AMU, Aligarh on **March 9-10, 2019**
3. Session moderator of the four technical sessions during the **International Conference on Advances in Zoological Research (ICAZR)** which was held at Department of Zoology AMU, Aligarh during March 2019

4. Involved with the organizing team of the **“International Conference on Recent Trends on Zoological Research”** and serving in the Souvenir Committee at Life Science Faculty Aligarh Muslim University.
5. Involved with the organizing team of the **“National Symposium on Biological Science: Special Emphasis on Neuroscience”** held at Interdisciplinary Brain Research Center JNMC Medical College, Aligarh Muslim University.

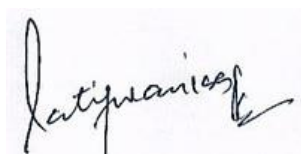
Travel Grant

1. Awarded travel grant for attending the Asian Conference on Science Technology and Medicine (ACSTM) to be held in 2019 at Dubai, UAE

COMPUTER PROFICIENCY:

1. MS Office, Power Point, Ms Excel, MS Word, Paint etc.
2. SPSS, Sigma Plot, Origin Pro, Graph Pad Prism, Cell Designer, Pymol Docking Software etc.
3. Teaching Software like Blackboard etc.

Declaration: I hereby declare that the above information is true to the best of my knowledge and belief.



Ab Latif Wani, PhD

Date: 17/06/2026

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