

CURRICULUM VITAE

Dr. Peerzada Mushtaq Ahmad

Contact details:

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Personal Data

Male, Married, Indian citizen
Date of Birth: 30th April, 1975
Language known: English, Hindi, Urdu

Teaching Experience: Eight years

- **10th April, 2017 to till date:** Assistant Professor of Zoology, Department of Higher Education, Government of Jammu & Kashmir, India
 - **3rd September, 2008 to 9th April, 2017:** lecturer (Zoology) +2
 - **July, 2005 to January, 2007:** Apart from research I was also associated with teaching the undergraduate and postgraduate classes at Department of Zoology, Aligarh Muslim University, Aligarh, India.
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Subject Taught

- **Chordates and Non-chordates:** Classification and their features
- **Human Biology:** Comparative study of digestive system, circulatory system, excretory system etc.
- **Biochemistry:** Structure and function of different bio-molecules (Carbohydrates, Proteins, Fats, Enzymes, DNA and RNA)
- **Cell Biology:** General organization, chemistry, energy metabolism in cell, structure and function of cell organelles, cell cycle and cell division etc.
- **Economic Zoology:** including culture of different economically insect pests *i.e.* Lac culture, Sericulture and Apiculture.
- **Nematode Systematics:** Phylogeny of Nematode development, classification of nematodes, basic characteristics of nematodes belonging to different orders.
- **Nematode Morphology, Biology, Anatomy and Systematics.**
- **General Biology:** General cell organization, cell divisions, bio-molecules, different human body systems.

Details of Professional training and research experience

- **Junior Research Fellow (JRF)** under DST sponsored Research project "*Taxonomic studies on nematodes of the superfamily Dorylaimoidea from North-eastern states of India*" from 15-10-2003 to 14-10-2005
- **Senior Research Fellow (SRF)** under DST sponsored Research project "*Taxonomic studies on nematodes of the superfamily Dorylaimoidea from North-eastern states of India*" from 15-10-2005 to 31-08-2006
- **Ph. D. awarded in 2005:**
Title of Ph. D. thesis: *Some studies on soil nematode fauna of Jammu and Kashmir.*
- Over all Research Experience: 14 years

Workshops/Symposium attended

- **National:**
 - "*Nematodes as Models in Biological Studies*", Held at Aligarh Muslim University Aligarh from 7th to 15 March 2005.
 - 3rd Global meet on parasitic diseases* at Bangalore University
 - National Seminar on "*Himalayan Biodiversity Characterization and Bioprospection for Sustainable Utilization*" held at University of Kashmir, India from 18th to 19th Sept., 2017
 - "*Two Day Multidisciplinary Conference on Recent Innovations in Sciences, Social Sciences, Humanities and Arts*" held at GDC, Poonch on 23rd and 24th March 2021
- **International**
 - "*New and emerging trends in Nematological research* ", Held at Aligarh Muslim University Aligarh from 26th Feb. to 3rd March, 2007.
 - "*International Conference on advances in Zoological Research (ICAZR) and Workshop on Real-Time PCR*" held at Department of Zoology, Aligarh Muslim University, Aligarh from March 9-10, 2019
- **Orientation Programme attended**
 - "*3rd Three Week Orientation Programme for Newly Recruited Assistant Professors in Zoology, Chemistry, Geography and Commerce, Department of*

Higher Education, Govt. of J&K (Kashmir Division) w.e.f. 26th April, 2017” organized by Institute of Advanced Studies in Education, M.A. Road, Srinagar.

- **Refresher Courses attended**

“Refresher course in Informational Technology (Interdisciplinary)” organized by UGC-Human Resource Development Centre Punjab University, Chandigarh from 11.02.2021 to 24.02.2021

Expertise

- Nematode sample collection by sieving and decantation technique.
- Photography of Nematode specimen using high resolution digital cameras mounted on Zoom and DIC microscopes and processing using software such as Auto-Montage (LAS 3.5) and Adobe Photoshop CS3.
- Identification of almost all nematode specimen belonging to the Order Dorlaimida
- Having good command over taxonomic studies of nematodes
- Camera Lucida
- Fine diagrams
- Preparation of modern wax slides
- Preparation of material for Scan Electron Microscope photograph.
- Handling of Scan Electron Microscope, Stereo-zoom and UprightMicroscope.
- Ecological studies on Nematodes.
- Working ability in WINDOW XP, 2000, 2007 and Vista like MS OFFICE.
- Experience in statistical software packages like SPSS, Statistica, R and Excel.

Education

- Ph. D. in Zoology (Nematology) from Aligarh Muslim University, Aligarh, India in 2006 on the topic *‘Some studies on soil nematode fauna of Jammu and Kashmir.*
- M. Sc. In Zoology (Nematology) from Aligarh Muslim University, Aligarh, India in 2001
- B. Sc. From Kashmir University, Srinagar, India in 1998 with English, Zoology, Botany and Chemistry.

Specialization: NematodeTaxonomy and Ecology

- **Systematics, taxonomy and biodiversity of parasitic, free-living and predacious nematodes**
- **Biological control**

Research Experience

- **14 years of Research Experience**
- **43 new species of nematodes described**
- Present status: **Working as Assistant Professor of zoology in the department of Higher Education, Jammu and Kashmir Government since 10th April, 2017**

Area of Research

The major thrust of my research is in the taxonomy and systematics of parasitic, free-living and predacious nematodes. I have privilege of getting my training from the renowned Professor of Zoology namely Prof. Wasim Ahmad who is one of the foremost workers on the nematode taxonomy, while working with him during my Ph.D. and in DST project "*Taxonomic studies on nematodes of the superfamily Dorylaimoidea from North- eastern states of India*, I have surveyed extensively most part of the North eastern India and Jammu Kashmir and Ladakh, as a result of this experience I am well versed in collection and identification of various orders of nematodes especially of Mononchids which are potential group of biological control against various pest of agriculture worldwide. Being a nematode taxonomist, I can deal with any nematode group in addition to Dorylaims.

Research Papers (All published in well reputed international journals)

1. Ahmad, W., **Mushtaq, P.** and Baniyamuddin, M. (2003). Descriptions of three new species of *Dorylaimoides* Thorne & Swanger, 1936 (Nematoda: Dorylaimida). *Journal of Nematode Morphology and Systematics*, 5: 153-162 (**Spain**)
2. Ahmad, W. and **Mushtaq, P.** (2004). Five new species of *Dorylaimoides* Thorne & Swanger (Nematoda: Dorylaimida) from Singapore. *International Journal of Nematology*, 14: 99-110 (**England**)
3. **Mushtaq, P.**, Baniyamuddin, M. and Ahmad, W. (2006). Studies on the rare nematode genus *Mylodiscus* Thome, 1939 with first report of its male. *Nematologia Mediterranea* 34: 77-81 (**Italy**)
4. **Mushtaq, P.** and Ahmad, W. (2006). Five new and two known species of the family Dorylaimidae De Man, 1876 (Nematoda: Dorylaimida) from Jammu and Kashmir state, India. *International Journal of Nematology* 16: 19-34 (**England**)
5. **Mushtaq, P.**, Baniyamuddin, M. and Ahmad, W. (2006). Some studies on nematodes of the family Aulolaimoididae (Nematoda: Dorylaimida). *Nematology* 8: 761-780 (**The Netherlands**)

6. **Mushtaq, P.** and Ahmad, W. (2006). Three new and a known species of the genus *Eudorylaimus* Andrassy, 1959 (Qudsianematinae: Dorylaimida) from India. *Journal of Nematode Morphology and Systematics* 9: 11-25 (**Spain**)
7. **Mushtaq, P.,** Baniyamuddin, M. and Ahmad, W. (2007). Three new and a known species of the genus *Enchodelus* Thome, 1939 (Nematoda: Dorylaimida) from India. *Nematology*, 9: 679-692 (**The Netherlands**)
8. **Mushtaq, P.** and Ahmad, W. (2007). Some new and known species of the family Qudsianematidae (Nematoda: Dorylaimida) from Jammu & Kashmir. *Journal of Nematode Morphology and Systematics* 9: 153-178 (**Spain**)
9. **Mushtaq, P.,** Naz, T and Ahmad, W. (2007). Descriptions of new and known species of the superfamily Tylencholaimoidea (Nematoda: Dorylaimida) from Jammu & Kashmir, India. *Journal of Nematode Morphology and Systematics* 10: 11-29 (**Spain**)
10. Baniyamuddin, M., **Mushtaq, P.** and Ahmad, W. (2009). Three new and four known species of the subfamily Lordellonematinae Siddiqi, 1969 (Qudsianematidae: Dorylaimida). *Nematology*, 11: 769-792 (**The Netherlands**)
11. Ahmad, W., **Mushtaq, P.,** Shahnaz and Kumar, S. (2019) Two new species of the genus *Coomansinema* Ahmad and Jairajpuri, 1989 (Nematoda: Dorylaimida) with a key to its species. *Helminthologia*, 56, 1: 42-52 (**Central Europe**)

Referees

1. Prof. (Dr.) Wasim Ahmad

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