

## CURRICULUM – VITAE

### DR. GAURAV KUMAR SINGH

Designation: Assistant Professor  
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### SHORT INTRODUCTION

1. M.Sc. Zoology (2005), Ph.D in Zoology with specialization in Nematology (2012), with nearly nine years of teaching experience of UG and Intermediate classes in various institutes. About 7 years of research experience in the field of Taxonomy, Biodiversity, Biology and Ecology of nematodes of various ecosystems and biocontrol of insects using nematodes. Also served as JRF in MOE&F, New Delhi, funded research project. Three published papers in International Journals, four Abstracts along with eight International/National workshop or Conferences

### ACADEMIC QUALIFICATION

- Ph.D. in *Zoology (Nematology)* from Aligarh Muslim University, Aligarh. Title of Ph. D. *“Taxonomy and Ecology of Nematodes of Agricultural Fields and Wastelands”*.
- M.Sc. in *Zoology* from Aligarh Muslim University, Aligarh passed with 74.9% marks.
- B.Sc. (Hons) in *Zoology* from Aligarh Muslim University, Aligarh passed with 64% marks.

### RESEARCH EXPERIENCE

#### POST GRADUATE RESEARCH

*“Some studies on the taxonomy of diplogastrid nematodes occurring in farmyard manure.”*

#### RESEARCH PROJECT

- **Junior Research Fellow** in All India Coordinated Project on Taxonomy (Helminthes and Nematodes) *Ministry of Environment and Forests (MOEF), New Delhi*. (September 2007 - March 2012).
- **Technical Assistant** in All India Coordinated Project on Taxonomy (Helminthes and Nematodes) *Ministry of Environment and Forests (MOEF), New Delhi*. (December 2006 - August, 2007).

### TEACHING EXPERIENCE

1. Served as a lecturer for teaching B.Sc. ZBC classes in Rajrani Mahavidyalaya, Kanshiram Nagar for a period of one year (i.e. from 15-07-2013 to 15-06-2015).
2. Served as an Assistant Professor for teaching undergraduate classes (from 09.09.2015 to 28.04.2017) in SSLD Varshney Institute of Management and Engineering, Aligarh.

3. Served as Post graduate teacher (Biology) in Heritage International School, Talanagri, Aligarh from July 2017 – March 2019.
4. Served as Post graduate teacher (Biology) in Ingraham Institute Senior Secondary English School, Aligarh from April 2019 – November 2021.
5. Serving as Assistant Professor (Zoology) in Government Degree College, Badaun from December 2021 – till date.

### RESEARCH INTEREST

1. Taxonomy, Biodiversity, Biology and Ecology of nematodes of various ecosystems.
2. Biocontrol of insects using nematodes.

### L.A.B SKILLS

**Taxonomy:** Collection, isolation, preservation and mounting on slides, section cutting for en-face view cross sections, microscopic measurements, line drawings using drawing tube, fine drawings for publications and micro-photography.

**Ecology:** Preparation of mass slides, counting and data analysis.

**Technical experience:** Preparation of solutions, culturing of rhabditid nematodes on various culture media and staining of plant parts for study of semi-endo-, and endoparasitic nematodes.

### ACHIEVEMENTS

- Awarded “*Post graduate merit Scholarship*” 2003-2004 during post graduation

### MEMBERSHIP OF SCIENTIFIC ASSOCIATIONS

- Nematological Society of India.

### PUBLICATIONS

#### PAPERS PUBLISHED

1. AHMAD, I., SINGH, G.K., YEON, IL. K. & CHOI, C.D. (2009) Redescription of *Butlerius butleri* Goodey, 1929 (Nematoda: Diplogastridae) from South Korea. *Nematology*, **11** (2): 161-169.
2. SINGH, G. K., YOUSUF, G., KUMAR, P. & AHMAD, I. (2014). Description of *Goffartia phalacra* n. sp. (Diplogastridae: Nematoda) from India. *Journal of Nematology*, **46** (2): 125-129.
3. SUFYAN, N., MAHAMOOD, MD., SINGH, G. K. & AHMAD, I. (2014). Description of *Diplolaimelloides rushikondai* sp. n. (Monhysteridae: Nematoda) and first report of the

males of *Myolaimus indicus* (Myolaimidae: Nematoda) from India. *International Journal of Nematology*, **24** (2): 141-148.

## ABSTRACTS PUBLISHED

1. TOMAR, V. SINGH, G.K. & KUMAR, P. (2008). Seasonal dynamics of nematode communities in a potato field at Khandauli, Agra. *Proceedings of workshop on Integrated Pest Management*, AFRI, Jodhpur.
2. SINGH, G.K. & AHMAD, I. (2013). Seasonal dynamics of Nematodes in a Wheat field at Harduaganj, Aligarh. *Proceedings of XXXVII Indian Social Science Congress*, organised by Indian Academy of Social Sciences and AMU, Aligarh.
3. KUMAR, P. SINGH, G.K. & AHMAD, I. (2017). Comparative study of community structure of nematode populations associated with fruit and forest trees at high altitudes of Uttarakhand. *Proceedings of National Symposium on Climate smart agriculture for nematode management*, organized by Nematological Society of India, New Delhi at ICAR-CCARI, Old Goa.
4. SINGH, G.K. & AHMAD, I. (2019). Nematodes as indicators of disturbances in soil ecosystem. *Proceedings of International conference on Advances in Zoological research (ICAZR) and workshop on Real-Time PCR*. Department of Zoology, AMU, Aligarh

## TRAINING COURSE

- Short Training course on “***Developing human resource for teaching core course in Plant Nematology***” conducted by the Academy of Agricultural Research and Education Management, Directorate of Human Resource Management in collaboration with Department of Nematology, CCSHAU, Hisar 23<sup>rd</sup> December, 2013 to 4<sup>th</sup> January, 2014.

## CONFERENCES, WORKSHOPS & SYMPOSIA

1. **National Training Workshop** on Fauna of Shivalik Ecosystem (Uttarakhand) and the Applications of GIS in Conservation of Fauna, held at Northern Regional Centre, ZSI, Dehradun and IIRS Dehradun. Organised by Zoological Survey of India in Collaboration with Indian Institute of Remote Sensing and Uttarakhand Council of Science & Technology from July 20<sup>th</sup> to 24<sup>th</sup> 2015.
2. **National Seminar** on *Reorientation of Agricultural Research to Ensure National Food Security (RARFS-2014)*, held at CCS Haryana Agricultural University, Hisar, Haryana 6<sup>th</sup> - 7<sup>th</sup> January, 2014.
3. **National conference** on *Insect Diversity and Systematics: Special Emphasis on Molecular Approaches (NCIDS- 2013)* held at Department of Zoology, Aligarh Muslim University, Aligarh 28<sup>th</sup> -30<sup>th</sup> October, 2013.

4. **National Workshop** on Scientific/Research paper writing, organised by the National Academy of Sciences held at Mohan Lal Sukhadia University, Udaipur, Rajasthan 5<sup>th</sup> – 7<sup>th</sup> April, 2013.
5. **Workshop** on *Data Analysis with R and SPSS*, held at UGC Academic Staff College, Aligarh Muslim University, Aligarh 12<sup>th</sup> – 17<sup>th</sup> July, 2010.
6. **Workshop** on *Taxonomy and the importance of nematodes in biodiversity studies* held at the Department of Zoology, AMU, Aligarh, 17<sup>th</sup> & 18<sup>th</sup> March, 2008.
7. **Workshop** on *Nematode Taxonomy (Capacity Building)* held at Desert Regional Station, Zoological Survey of India, Jodhpur, Rajasthan, 22<sup>nd</sup> & 23<sup>rd</sup> March, 2007.
8. **International Workshop** on *New and Emerging Trends in Nematology* held at the Department of Zoology, AMU, Aligarh, 26<sup>th</sup> Feb. - 3<sup>rd</sup> March, 2007.

#### DECLARATION

I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Dr. Gaurav Kumar Singh