


Dr. Shailendra Kumar

Assistant Professor

Department of Zoology

Faculty

Sr. No.	Teacher Name	Designation	Mobile Number	Photo	Profile	Resume
3.	Dr. Shailendra Kumar	Assistant Professor	9899853462			

Research and Publications

Research Project (Last 5 Years) = 0

Research Papers Published = 08

Books/Chapters in books and conference proceedings = 02

Profile

Personal Details:

Name: **Dr. Shailendra Kumar**

Designation: Assistant Professor in Zoology

Address: Department of Zoology, Mahatma Gandhi P.G. College, Gorakhpur-273001, India

Mobile Numbers: +919899853462

E-mail Address: shail.rs.07@gmail.com

Academic Details:

Education:

Ph.D. in Zoology (Entomology), 2022

Department of Zoology, University of Delhi, Delhi-110007, India

Topic of Research: Influence of Farnesol on Growth, Development and Reproduction of Red Cotton Bug *Dysdercus koenigii* (Heteroptera: Pyrrhocoridae)

M.Sc. in Zoology (Entomology), 2013

Department of Zoology, University of Delhi, Delhi-110007, India

B.Sc. in Zoology, Chemistry and Botany, 2007

Department of Zoology, Dyal Singh College University of Delhi, Delhi-110007, India

Area of Interest: Entomology, IPM, Ecology and Environment, Biochemistry and Physiology

Experience:

Academic

Teaching Experience:

U.G.- 03 YEAR

P.G.- 03 YEAR

Currently working as Assistant Professor in Department of Zoology, Mahatma Gandhi P.G. College, D.D.U Gorakhpur University, Gorakhpur, from March 2019 to till date.

Research Experience:

Senior Research Fellow (November, 2016- October, 2019)

Insect Reproduction Laboratory, Deshbandhu College, University of Delhi

Work: Effect of plant derived JH mimics bioactivity on the reproduction of *Dysdercus koenigii*.

Junior Research Fellow (October, 2014- October, 2016)

Insect Reproduction Laboratory, Deshbandhu College, University of Delhi

Work: Effect of *Catharanthus roseus* Crude extract on Reproductive Behavior of *Dysdercus koenigii*.

Administrative

Member of Proctorial Board

2019- Till Date

Mahatma Gandhi P.G. College, Gorakhpur-273001, India

Member of Admission Committee of B.Sc. and M.Sc. Classes 2020-Till Date

Mahatma Gandhi P.G. College, Gorakhpur-273001, India

Awards and Distinctions:

National Eligibility Test for Lectureship in Environmental Sciences by University Grants Commission in 2012.

Scored 93 percentile in Graduate Aptitude Test in Engineering (GATE) 2014, Life Sciences conducted by Indian Institute of Technology.

Junior Research Fellowship & National Eligibility Test for Lectureship in Life Sciences by Council for Scientific and Industrial Research in 2013.

Best Oral presentation on topic “Farnesol induced changes in the haemolymph profile and developmental anomalies *Dysdercus koenigii* (Hemiptera: Pyrrhocoridae)” in “ICNPHH 2020: International Conference on Natural Products and Human Health”. held at the University of Delhi, Delhi (India) from February 27-29, 2020

Publications:

List of Research Papers Published in Journals of National and International repute:

1. **Kumar, S.**, Kayesth, S., Shazad, M., & Gupta, K. K. (2022). Evaluation of farnesol-induced changes in the pattern of red cotton bug *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). The Journal of Basic and Applied Zoology, 83:44, 1-12. <https://doi.org/10.1186/s41936-022-00308-4>
2. Kayesth, S., Shazad, M., **Kumar, S.**, & Gupta, K. K. (2022). Decreased reproductive fitness of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae) in response to hexane leaf extract of *Ocimum sanctum* Linn. (Lamiaceae). International Journal of Tropical Insect Science, 42(2), 1505–1516 <https://doi.org/10.1007/s42690-021-00669-3>
3. Kayesth, S., **Kumar, S.**, Shazad, M., & Gupta, K. K. (2021). Diminished fitness of red cotton bug *Dysdercus koenigii* Fabricius induced by the volatiles in the hexane extract of *Catharanthus roseus*. International Journal of Tropical Insect Science, 41(1), 389–399. <https://doi.org/10.1007/s42690-020-00217-5>
4. Gupta, K. K., Kayesth, S., Shazad, M., & **Kumar, S.** (2019). Implication of mating on oocyte development in red cotton bug, *Dysdercus koenigii* (Fabricius, 1775)(Heteroptera: Pyrrhocoridae). Polish Journal of Entomology, 88(4), 333-348.
5. Kayesth, S., **Kumar, S.**, Shazad, M., & Gupta, K. K. (2020). Effects of hexane extract of *Lantana camara* leaves on reproductive bioactivities of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae). Acta Ecologica Sinica, 40(30), 247-253.
6. Gupta, K. K., Shazad, M., & **Kumar, S.** (2019). Relevance of prolonged first

- mating in reproductive bioactivities of *Dysdercus koenigii* (Fabricius, 1775)(Heteroptera: Pyrrhocoridae). Polish Journal of Entomology, 88(1), 63-77.
7. Kayesth, S., Gupta, K. K., **Kumar, S.**, & Shazad, M. (2018). Effects of *Ocimum sanctum* hexane extract on survival and development of *Dysdercus koenigii* Fabricius (Heteroptera: Pyrrhocoridae), Archives of Phytopathology and Plant Protection, 51:17-18, 993-1007, DOI: 10.1080/03235408.2018.154114
 8. Shazad, M., Gupta, K.K., Kayesth, S., and **Kumar, S.** (2018). Sublethal Effects of Ethanol Extract of *Ocimum sanctum* on Laboratory Bred Population of Dengue Mosquito *Aedes aegypti* L. (Diptera: Culicidae). Vector Biology Journal. 3:1.
 9. Kayesth, S., Shazad, M., **Kumar, S.**, and Gupta, K.K. (2017). Effect of Ethanol Extract of *Catharanthus roseus*, *Ocimum sanctum* and *Lantana camara* on Fecundity and Fertility of Red Cotton Bug, *Dysdercus koenigii* Fabricius (Heteroptera:Pyrrhocoridae).Journal of Entomology and Zoology Studies. 5(4), 348-353.

Book Chapters

1. **Kumar, S.**, Kumar, R., Pankaj, V.V., Tarafdar, A., and Biswas, K. 2016. **Soil Microbes and their interaction with plants.** (Ed. Mitra, R. and Barman, A.), 1st Edition, Sharma Publications and Distributers, New Delhi, India, pp. 1-38. **ISBN : 978-93-82310-05-1**
2. **Kumar, S.**, Kumar, R., Pankaj, V.V., Tarafdar, A., and Biswas, K. 2016. **Microbes in Plant Endosphere: Pathogenesis and Disease Antagonism.** (Ed. Mitra, R. and Barman, A.), 1st Edition, Sharma Publications and Distributers, New Delhi, India, pp. 113-126. **ISBN : 978-93-82310-05-1**

Conferences/Seminars/Workshop:

Papers Presented in Seminars/Conferences/Symposia:

Papers Presented in Seminars/Conferences/Symposia

1. **Shailendra Kumar** and Kamal Kumar Gupta (2020). Farnesol induced changes in the haemolymph profile and developmental anomalies *Dysdercus koenigii* (Hemiptera: Pyrrhocoridae), paper presented in oral session of “ICNPHH- 2020: International Conference on Natural Products and Human Health”, held at the University of Delhi, Delhi (India) from February 27-29, 2020
2. **Shailendra Kumar** and Kamal Kumar Gupta (2017). Influence of Farnesol on Growth and Development of *Dysdercus koenigii*, paper presented in oral session of “ICE 2017: 19th International Conference on Entomology”, held at Paris, France on October 19-20, 2017.
3. **Shailendra Kumar**, Mohd Shazad, Sunil Kayesth, Kamal Kumar Gupta (2017) Influence of *Catharanthus* on Survival and Development of *Dysdercus koenigii*” paper presented in

poster session in *International Symposium on 'Biological Timing and Health Issues in the 21st Century'*, held at the University of Delhi, Delhi (India) from February 21-24, 2017

4. **Shailendra Kumar**, Sunil Kayesth, Kamal Kumar Gupta, Mohd Shazad (2016). Influence of *Catharanthus* on Survival and Development of *Dysdercus koenigii*, paper presented in oral session of International Conference on "Science: Emerging Scenario and Future Challenges" held at Hotel Inlover, at Dharamshala, Himachal Pradesh from 11-12 June, 2016.
5. **Shailendra Kumar** (2015). Insecticides and mosquito control : impact on Human Health and Environment, paper presented in oral session of National Symposium on Vector Biology and Vector Management, held at Deshbandhu College, University of Delhi. 12, February 2015,
6. **Shailendra Kumar** (2014). Insect diversity as an indicator of healthy environment, paper presented in oral session of National Symposium on Environment: Challenges and Awareness, held at Deshbandhu College, University of Delhi. 5 November 2014,
7. **Shailendra Kumar** (2014). Bee diversity as an indicator of healthy environment, paper presented in oral session of 2nd Annual National Conference - Science: Emerging Scenario & Future Challenges II, held at Shimla, HP from 17-18 May.

Workshop attended:

Participated in National Faculty development programme on "**Research Methodology & Statistical Analysis with SPSS**" organized by Ramanujan College, University of Delhi, Kalkaji, New Delhi -110019.

Participated and obtained "**A+**" Grade in the *first online Faculty Induction Programme from 07.09.2021 to 05.10.2021* held at Human Resource Development Centre, DDU Gorakhpur University, Gorakhpur-273009, U.P., India .