

# Dr. Tariq Ahmad (*Curriculum Vitae*)

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## Associate Professor

Department of Zoology  
University of Kashmir  
Jammu & Kashmir (190 006)  
India

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## DFG (Germany) Visiting Scientist

Julius Kühn-Institute, Institute for Biological Control  
Heinrichstrasse 243, 64287 Darmstadt, Germany

## EDUCATION/FELLOW

2001 – 2005	Ph. D.	Aligarh Muslim University, Aligarh, UP, India
1998 – 2000	M. Sc.	Aligarh Muslim University, Aligarh, UP, India
1994 – 1997	B. Sc.	University of Kashmir, Srinagar, J&K, India
2018 – Till date	FRES	Fellow of Royal Entomological Society, London, U.K.
2018 – Till date	FLS	Fellow of Linnaean Society, London, U.K.
2018 – Till date	MESA	Member Entomological Society of America, U.S.A.

## PROFESSIONAL APPOINTMENTS

7 <sup>th</sup> Nov, 2018 – Present	Associate Professor (Satge-4), Deptt. of Zoology, Univ. of Kashmir
7 <sup>th</sup> Nov, 2015 – 6 <sup>th</sup> Nov, 2018	Assistant Professor (Satge-3), Deptt. of Zoology, Univ. of Kashmir
7 <sup>th</sup> Nov, 2010 – 6 <sup>th</sup> Nov, 2015	Assistant Professor (Stage-2), Deptt. of Zoology, Univ. of Kashmir
7 <sup>th</sup> Nov, 2006 – 6 <sup>th</sup> Nov, 2010	Assistant Professor (Stage-1), Deptt. of Zoology, Univ. of Kashmir
26 <sup>th</sup> Aug, 2006 – 6 <sup>th</sup> Nov, 2006	Research Associate, Division of Entomology, I.A.R.I., New Delhi
9 <sup>th</sup> Dec., 2005 – 25 <sup>th</sup> Aug, 2006	Sr. Research Fellow, Department. of Entomology, GBPUAT, Pantnagar

## COURSES TEACHING

### (M. Sc. Zoology)

Animal Taxonomy & Zoological Nomenclature (I<sup>st</sup> Semester); Medical & Veterinary Entomology (I<sup>st</sup> Semester); Insect Physiology (I<sup>st</sup> Semester); Applied Entomology (II<sup>nd</sup> Semester); Hormonal; Developmental Biology (II<sup>nd</sup> Semester); Economic Entomology (III<sup>rd</sup> Semester); Insect Ecology (III<sup>rd</sup> Semester); Integrated Pest Management (IV<sup>th</sup> Semester); Applied Entomology (IV<sup>th</sup> Semester)

## TEACHING/RESEARCH EXPERIENCE

- 14 years experience of teaching Postgraduate students in the Department of Zoology, University of Kashmir, Srinagar w.e.f. 7<sup>th</sup> November, 2006 till date.
- 15 years (excluding Ph.D. years) research experience in the field of IPM, Ecology, Biosystematics, Diversity, Bionomics & Management of insect pests.

## GRANTS AND AWARDS

- DST-SERB, Govt. of India, New Delhi, India Foreign Travel Grant for attending ESA, ESC and ESBC Joint Annual Meeting (Entomology 2018) November 11-14, **2018** held at Vancouver, British Columbia, **Canada** (Could not attend due to delay in visa issuance).
- Award for outstanding contribution in the field Animal Sciences by Postgraduate Department of Zoology, University of Kashmir for the year, **2018**.
- Appreciation Certificate in the field Animal Sciences by Postgraduate Department of Zoology, University of Kashmir for the year, **2018**.

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4. Deutsche Forschungsgemeinschaft (DFG), Germany funding for 03months to work as a Visiting Scientist under Indo-German Cooperation Programme, **2017** at Julius Kuhn Institute, Federal Research Centre for Cultivated Plants, Institute for Biological Control, **Germany**.
5. Selected by DFG, Germany for 03months visit under joint International Collaboration/Exchange Programme, **2017** to Julius Kuhn Institute, Heinrichstrasse, Darmstadt, **Germany**.
6. DST-SERB, New Delhi major research project grant of 49,49,856 INR for a period of 03 Years; vide File Number: EMR/2017/000215; Dated: 20/10/2017 (Approved); 28/09/2018 (Sanctioned).
7. Scientist of the year award (2015) by National Environmental Science Academy (NESA), **New Delhi**.
8. The University of Kashmir, Srinagar, J&K, India Travel Grant for attending MMDWQ & XXVIII Annual Conference of National Environmental Science Academy December 21 – 23, **2015** held at Uttarakhand State Council for Sci. and Technology(UCOST), **Dehradun**.
9. Department of Science and Technology (DST), Govt. of India, New Delhi, India Foreign Travel Grant for attending 2<sup>nd</sup> World Conference on Biological Invasions and Ecosystem Functioning (BIOLIEF) November 21-24, **2011** held at Mar del Plata, **Argentina**.
10. The University of Kashmir, Srinagar, J&K, India Foreign Travel Grant for attending Global Conference on Entomology March 5-9, **2011** held at Chiang Mai, **Thailand**.
11. The University of Kashmir, Srinagar, J&K, India Travel Grant for attending Dr. Leslie C. Coleman Memorial National Symposium on Plant Protection December 4-6, **2008**, held at University of Agricultural Sciences, GKVK, **Bangalore**.
12. Selected as **Young Scientist** in the interaction sessions at the “Science Conclave: A congregation of Nobel Prize Winners”, December 15–21, **2008**, MHRD & DST initiative held at IIT, **Allahabad**.
13. Indian Institute of Information Technology (IIIT), Allahabad, India Travel Grant for attending “Science Conclave: A congregation of Nobel Prize Winners”, Dec. 15–21, **2008**, MHRD & DST initiative held at IIT, **Allahabad**.
14. Best paper presentation award in the conference entitled, “National Conference on Plant Protection”, February 2-5, **2001** held at Rajasthan College of Agriculture, Maharana Pratap University of Agriculture & Technology, Udaipur, **Rajasthan**.
15. Awarded University Research Fellowship (**J.R.F.**) by Aligarh Muslim University, Aligarh Vide letter No.738/MR, dated 25/08/2005.

### PROJECTS COMPLETED

1. Management of insect pests and diseases of walnuts vis-à-vis tree health and fruit production, UGC 12<sup>th</sup> plan, UGC, New Delhi; Year: 2016.

### UNDERGOING PROJECTS

1. Sustainable management of invasive plants using native insect herbivores in Kashmir Himalaya, DST-SERB, New Delhi; 49,49,856 INR; Period: 03 Years; vide File\_Number: EMR/2017/000215; Dated: 20/10/2017 (Approved); 28/09/2018 (Sanctioned).

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### PUBLICATIONS (44 Total)

#### REFEREED/ PEER REVIEWED

1. Ahmad, R., Hussain, B. & **Ahmad, T. (2021)**: Fresh and dry fruit production in Himalayan Kashmir, Sub-Himalayan Jammu and Trans-Himalayan Ladakh, India. *Heliyon*, 7: e05835. Elsevier Publishing, Netherlands; ISSN: 2405-8440 (Print); **IF: 1.650**
2. Rasool, A., **Ahmad, T.**, Ganai, B.A. & Gull, S. (2020): Morphological and molecular analysis of parasitoid wasp, *Cheiropachus quadrum* (Hymenoptera: Chalcidoidea: Pteromalidae) infesting bark beetles of wide host trees. *Advances in Zoological and Botany*, USA. 8(3): 169-176. Horizon Research Publishing, USA; ISSN: 2331-5083 (Print); ISSN: 2331-5091 (Online); **IF: 0.41**
3. Gull, S., Khandey, L.A., **Ahmad, T.** & Buhroo, A.A. (2019): A survey of some insect pests associated with *Juglans regia* L. (Juglandaceae) from Kashmir, India *Journal of Zoological Research*, USA. 3(2): 1-7. Publisher: Sryahwa publications, USA. ISSN: 2637-5575.
4. Gull, S., **Ahmad, T.** & Rasool, A. (2019): Studies on diversity indices and insect pest damage of walnuts in Kashmir, India. *Acta agriculturae Slovenica* 113(1): 121-135. Publisher: Biotehniske Fakultete Univerze V Ljubljani, Slovenia. ISSN: 1854-1941 (Online), 1581-9175(Print).
5. Gull, S., **Ahmad, T.**, Rasool, A. & Rasheed, R. (2018): Assessment of damage and seasonal abundance of *Paracopium cingalensis* (Lace Bug) (Wal.) on *Juglans regia* (walnut) (Lin.) in Central Kashmir, India. *Uttar Pradesh Journal of Zoology* 38(3): 74-83, 2018 Publisher: © Copyright MB International Media and Publishing House ISSN: 0256-971X (P).
6. Rasool, A., **Ahmad, T.**, Ganai, B.A. & Gull, S. (2018): An overview of molecular identification of insect fauna with special emphasis on chalcid wasps (Hymenoptera: Chalcidoidea) of India. *Acta agriculturae Slovenica* 111(1): 229-239. Publisher: Biotehniske Fakultete Univerze V Ljubljani, Slovenia. ISSN: 1854-1941 (Online), 1581-9175(Print).
7. Gull, S., **Ahmad, T.**, Rasheed, R. & Rasool, A. (2018): First record of Capsid bug, *Megacoelum stramineum* (Walker, 1873) on walnut (*Juglans regia*) from Central Kashmir, India *Journal of Research and Development* 18: 51-58, 2018 Publisher: © Centre of Research for Development, University of Kashmir ISSN: 0972-5407.
8. **Ahmad, T.** & Tajamul, M. (2018): Experiments on the feeding behaviour of rice grasshopper, *Oxya japonica* (Orthoptera: Acrididae) – a key polyphagous insect pest in north-west Himalayas. *Journal of Orthoptera Research* Publisher: BioOne Washington DC, USA. ISSN: 1937-2426 (Online), 1082-6467(Print) (Accepted/*In Press*).
9. **Ahmad, T.**, Akhter, N. & Azim, M.N. (2016): Studies on the population density and flight activity of the pentatomid bugs, *Dolycoris indicus* Stal and *Eurydema pulchrum* Westwood attacking agricultural crops in Kashmir valley. *International J. Entomological Research, Pakistan* 4(2): 47-53. Publisher eSci Journals Publishing, Islamabad, Pakistan. ISSN: 2310-3906 (Online), 2310-5119 (Print).
10. Tajamul, M. & **Ahmad, T.** (2016): Life history statistics and comparative morphometric assessment of rice grasshopper, *Oxya japonica* (Orthoptera: Acrididae). *International Journal of Pure and Applied Zoology*, 4(1): 92-98. ISSN: 2320-9577(print); 2320-9585(online). **IF: 0.765**. Publisher: Allied Academies, 40 Bloomsbury Way, Lower Ground Floor, **London, U.K.**
11. Tajamul, M., **Ahmad, T.**, Tak, I.R. & Shafi, J. (2016): Seasonal variation in the population of rice grasshopper, *Oxya japonica* (Orthoptera: Acrididae) in the agricultural zones of Kashmir

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- valley. *Global Journal of Life Sciences and Biological Research*, 2(3): 4-6. ISSN: 2456-3102. Publisher Global Institute for Research & Education.
12. Akhtar, F., Khanday, A.L. & **Ahmad, T. (2016)**: Pollination potential: A comparative study of various hymenopteran insects pollinating some economically important crops in Kashmir. *International Journal of advanced research in biological Sciences* 3(9): 50-59. Publisher: Darshan Publishers, Vengayapalayam, Tamil Nadu, India. ISSN: 2348-8069; Index Copernicus Value: 5.01.
  13. **Ahmad, T. & Akhter, N. (2015)**: Taxonomy and biological observations on two pentatomid pests *Dolycoris indicus* Stal and *Eurydema pulchrum* Westwood attacking agricultural crops in Kashmir valley. *International J. Entomological Research, Pakistan* 3(2):55-59. Publisher eSci Journals Publishing, Islamabad, Pakistan. ISSN: 2310-3906 (Online), 2310-5119 (Print).
  14. Wani, S.A. & **Ahmad, T. (2015)**: Biology and population dynamics of new colour morph of *Chromaphis juglandis* Kalt. (Hemiptera: Aphididae) in Kashmir, India. *Journal of Entomology and Zoology Studies*, 3(4): 28-31. Publisher Akinik Publications Rohini, New Delhi, India ISSN: 2320-7078 (Online), 2349-6800 (Print); **IF: 0.398**.
  15. **Ahmad, T. (2015)**: On the significance of Dyar's rule to different hopper instars of *Acrida exaltata* Walker (Orthoptera: Acrididae). *Nature and Science, U.S.A.* 13(3): 18-21. Publisher Marsland Press, U.S.A. ISSN: 1545-0740.
  16. **Ahmad, T. & Nabi, S. (2015)**: Effect of different temperatures on the incubation period and hatching of eggs of bamboo locust, *Choroedocus illustris* Walker (Orthoptera: Acrididae). *New York Science Journal, U.S.A.* 8(2): 70-73. Publisher Marsland Press, U.S.A. ISSN: 1554-0200.
  17. Akhter, N., **Ahmad, T. & Azim, M.N. (2015)**: On the biology of agriculturally important pentatomid pests *Dolycoris indicus* Stal and *Eurydema pulchrum* Westwood (Hemiptera: Pentatomidae). *New York Science Journal, U.S.A.* 8(2): 89-91. Publisher Marsland Press, U.S.A. ISSN: 1554-0200.
  18. **Ahmad, T. & Wani, S.A. (2014)**: Aphid parasitoids (Hymenoptera: Braconidae Aphidiidae) of Kashmir, India: A checklist. *Acta Zoologica Mexicana, Mexico* 30 (3): 539-552. Publisher: *Instituto de Ecologia*, Mexico. ISSN: 0065-1737.
  19. Wani, S.A. & **Ahmad, T. (2014)**: Phenomenon of parthenogenesis, viviparity and endosymbiosis in aphids – A Review. *Journal of Bio Innovations, Hyderabad, India* 3 (4): 206-215. Publisher Press, ISSN: 2277-8330. **IF: 0.765**
  20. **Ahmad, T. & Wani, S.A. (2014)**: Interactions between species in walnut orchard ecosystem of Kashmir valley, India. *International Journal of Pure and Applied Zoology, India.* 2(2): 200-204. Publisher Rishan Publications, Tamil Naidu, India. ISSN: 2320-9577(print); 2320-9585(online). **IF: 0.209**
  21. Wani, S.A. & **Ahmad, T. (2014)**: Competition and niche-partitioning in two species of walnut aphids. *International Journal of Scientific Research and Reviews, India.* 3(2): 120-125. Publisher Rishan Publications, Tamil Naidu, India. ISSN: 2279-0543. **IF: 4.169**.
  22. Azim, M.N., **Ahmad, T. & Akhtar, F. (2014)**: Diversity of Hymenopteran pollinators in Kashmir region. *New York Science Journal, U.S.A.* 7(7): 84-88. Publisher Marsland Press, U.S.A. ISSN: 1554-0200.



23. Najar, M.A., Wani, I.A., Wani, S.A. & **Ahmad, T. (2014)**: Parasitic dependence between different species of ants on other species: phenomenon of social parasitism. *Nature and Science, U.S.A.* 12(7): 46-49. Publisher Marsland Press, U.S.A. ISSN: 1545-0740.
24. **Ahmad, T.** & Tajamul, M. (2014): Influence of host food plants on the post embryonic development of *Oxya japonica* (Orthoptera: Acrididae). *Report and Opinion, U.S.A.* 6 (6): 44-48. Publisher Marsland Press, U.S.A. ISSN: 1553-9873.
25. **Ahmad, T.** & Wani, S.A. (2014): Natural enemies of walnut aphids, *Chromaphis juglandicola* Kalt. and *Panaphis juglandis* Goeze (Hemiptera: Aphididae) in Kashmir, India. *Researcher, U.S.A.* 6 (6): 35-39. Publisher Marsland Press, U.S.A. ISSN: 1553-9865.
26. **Ahmad, T.** & Tajamul, M. (2014): Effect of temperature on the hatching and post-diapause embryonic development time in Rice Grasshopper, *Oxya japonica* (Thunberg) (Orthoptera: Acrididae). *Nature and Science, U.S.A.* 12 (6): 121-125. Publisher Marsland Press, U.S.A. ISSN: 1545-0740.
27. Wani, S.A. & **Ahmad, T. (2014)**: Laboratory study of parthenogenesis and fecundity of dusky veined aphid, *Panaphis juglandis* Goeze (Hemiptera: Aphididae) *Researcher, U.S.A.* 6 (6): 1-4. Publisher Marsland Press, U.S.A. ISSN: 1553-9865.
28. Wani, I.A., Wani, S.A. & **Ahmad, T.**, Poornima, S. & Najar, M.A. (2014): Population dynamics, diversity and abundance of medicinal plants vis-à-vis anthropogenic interferences – A Review. *New York Science Journal, U.S.A.* 7(6): 60-68. Publisher Marsland Press, U.S.A. ISSN: 1554-0200.
29. **Ahmad, T.** & Tajamul, M. (2014): Morphometric studies of the post embryonic developmental stages of Rice Grasshopper, *Oxya japonica* (Orthoptera: Acrididae) *New York Science Journal, U.S.A.* 7(4): 107-111. Publisher Marsland Press, U.S.A. ISSN: 1554-0200.
30. **Ahmad, T. (2014)**: Temperature dependent hopper development period of *Acrida exaltata* Walker (Orthoptera: Acrididae) in Kashmir, India. *New York Science Journal, U.S.A.* 7(4): 36-39. Publisher Marsland Press, U.S.A. ISSN: 1554-0200.
31. War, A.A., Paulraj, M.G., Hussain, B., **Ahmad, T.**, War, M.Y. & Ignacimuthu, S. (2014): Efficacy of combined treatment of Neem oil formulation and Endosulfan against *Helicoverpa armigera* (Hub.) (Lepidoptera: Noctuidae). *International Journal of Insect Science, New Zealand* 6: 1–7. Publisher Libertas Academica Limited, Auckland, **New Zealand**; ISSN: 11795433; eISSN: 11795433. **IF: 2.00**
32. **Ahmad, T.** & Nabi, S. (2012): On the food preferences and Application of Dyar's law to different hopper instars of *Choroedocus illustris* Walker (Orthoptera: Acrididae). *Italian Journal of Zoology, Italy* 2012, iFirst: 1-9. Publisher Taylor & Francis, London, U.K., ISSN: 1125-0003 (print); 1748-5851(online). **IF: 0.939.**
33. **Ahmad, T. (2012)**: On the food preferences and Application of Dyar's law to different hopper instars of *Acrida exaltata* Walker (Orthoptera: Acrididae). *Acta Zoologica Lituanica (Zoology & Ecology), Lithuania, U.K.* 22 (2): 114-124. Publisher Taylor & Francis, London, U.K., ISSN: 2165-8005 (print); 2165-8013(online). **IF: 0.53.**
34. War, A.A., Paulraj, M.G., **Ahmad, T.**, Buhroo, A.A., Hussain, B., Ignacimuthu, S. & Sharma, H.C. (2012): Mechanisms of plant defense against insect herbivores. *Plant Signalling and Behaviour, U.S.A.* 7 (10): 1306-1320. Publisher Landes Bioscience, Rio Grande St., Austin. ISSN: 15592316 (print); **IF: 2.00.**

35. **Ahmad, T. & Nabi, S. (2010):** Application of Dyar's law to different hopper instars of *Choroedocus illustris* Walker (Orthoptera: Acrididae). *Ann. Pl. Protec. Sci., New Delhi* 18 (1): 101-103. ISSN: 0971-3573. Publisher Society of plant Protection Sciences, New Delhi. Reviewed/Abstracted/Indexed in CABI (U.K.), AGRIS of FAO, MAPA New Delhi, SAIC Dhaka, INSDOC New Delhi. **NAAS IF: 3.7**
36. **Ahmad, T. & Nabi, S. (2010):** A preliminary observations on cannibalistic behavior in the hoppers of *Choroedocus illustris* Walker (Orthoptera: Acrididae). *Pantnagar J. Research, Pantnagar* 8(1):133-134. ISSN: 0972-8813. Publisher G.B.Pant University of Agriculture & Technology, Pantnagar, Uttarakhand. **NAAS IF: 1.0**
37. **Ahmad, T. & Nabi, S. (2009):** Preferential role of food plants on the development of *Acrida exaltata* walker. *Indian Journal of Entomology, New Delhi* 71(4): 299-301. ISSN: 0367-8288. **NAAS IF: 3.8**
38. **Ahmad, T. (2008):** Effect of temperatures on duration, survival and development of *Choroedocus illustris* Walker (Orthoptera: Acrididae). *Insect Environment, Bangalore* 14 (2): 66-67. ISSN: 0975-1963. Publisher Navbharath Enterprises, Bangalore. Reviewed/Abstracted/Indexed in all Commonwealth Abstracts, U.K.
39. **Ahmad, T. et al. (2007):** Ecological studies on *Choroedocus illustris* Walker (Orthoptera: Acrididae) with special reference to suspected gregariousness in hoppers. *Pantnagar Journal of Research* 5 (1): 21-23. ISSN: 0972-8813. Publisher G.B. Pant University of Agriculture & Technology, Pantnagar, Uttarakhand. **NAAS IF: 1.0**
40. **Maurya, R.P., Ujagir, R. & Ahmad, T. (2007):** Evaluation of chickpea (*Cicer arietinum* L.) germplasm for the resistance to gram pod borer, *Helicoverpa armigera* Hubner (Lepidoptera: Noctuidae). *Journal of Entomological Research, New Delhi* 31 (3): 181-186. ISSN: 0378-9519; Malhotra Publishing House **NAAS IF: 2.0**
41. **Kumar, S., Mumtaz, R., Maurya, R.P., Ahmad, T., Singh, S.V. & Khan, M.A. (2007):** Life cycle of predatory bug, *Canthecona furcellata* Wolf on the Rice grain moth, *Coryra cephalonica* Stainton. *Annals of Plant Protection Sciences, New Delhi* 15 (1): 124-126. ISSN: 0971-3573. Publisher Society of plant Protection Sciences, New Delhi. Reviewed/Abstracted/Indexed in CABI (U.K.), AGRIS of FAO, MAPA New Delhi, SAIC Dhaka, INSDOC New Delhi. **NAAS IF: 3.7**
42. **Rizvi, S.K.A., Khan, F.R., Maqbool, N., Badruddin, S.M.A. & Ahmad, T. (2003):** Effect of crowding on the nymphal duration of *Acrida exaltata* Walker (Orthoptera: Acrididae). *Bionotes, Aligarh* 5(3):75pp. ISSN: 0972-1800. Publisher A Biologists Confrerie (ABC), Aligarh. Reviewed/Abstracted/Indexed in Zoological Records (U.K.), CAB Abstracts (U.K.), Cambridge Scientific Abstracts (U.S.A.) and online databases.
43. **Rizvi, S.K.A., Badruddin, S.M.A., Ahmad, T. & Rizvi, M. (2001):** Record of the predator *Erythracarus* Berlese (Acarina: Anystidae) on *Oxya velox* (Orthoptera: Acrididae). *Insect Environment, Bangalore* 7(1): 36-37. ISSN: 0975-1963. Publisher Navbharath Enterprises, Bangalore. Reviewed/Abstracted/Indexed in all Commonwealth Abstracts, U.K.
44. **Rizvi, S.K.A., Badruddin, S.M.A., Ahmad, T. & Rizvi, M. (2001):** A new record of parasitic mite, *Podapolipus diander* volkonksy (Acarina: Trombidiformes: Podapolipodidae) on *Oxya velox* (Fabricius) (Orthoptera: Acrididae). *Insect Environment, Bangalore* 7(1):40-41. ISSN: 0975-1963. Publisher Navbharath Enterprises, Bangalore. Reviewed/Abstracted/Indexed in all Commonwealth Abstracts, U.K.

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## BOOKS

1. **Ahmad, T. (2012):** “*Recent advances in Acridology, Novel Approaches*”. LAP Lambert Academic Publishing GmbH & Co. KG Heinrich-Bocking-Str., Saarbrücken, **Germany**, pp238. ISBN: 978-3-8484-1890-9.  
**Publishers: America:** American Booksellers' Association; www.bookweb.org  
**U.K. & Ireland:** Booksellers' Association; www.boooksellers.org.uk  
**Germany:** LAP, Germany; www.lap-publishing.com  
**Worldwide Wholesalers:** www.morebooks.de;www.amazon.com;www.barnesandnoble.com

## BOOK CHAPTERS (06 Total)

1. **Ahmad, T. & Rasool, A. (2021).** Role of hydrolytic enzymes in Integrated Pest Management. *In: M. A. Khan & W. Ahmad* (Eds.), “*Microbes for Sustainable Insect Pest Management, Sustainability in Plant and Crop Protection.*”. © **Springer Nature Switzerland AG 2020.**; www.springer.com
2. **Ahmad, T., Rasool, A., Gull, S., Stephan, D. & Nabi, S. (2019).** Ascomycota and Integrated Pest Management. *In: M. A. Khan & W. Ahmad* (Eds.), “*Microbes for Sustainable Insect Pest Management, Sustainability in Plant and Crop Protection.*”. Vol 1: pp 151-184; © **Springer Nature Switzerland AG 2019.** ISBN: 978-3-030-23044-9; eISBN: 978-3-030-23045-6. [https://doi.org/10.1007/978-3-030-23045-6\\_5](https://doi.org/10.1007/978-3-030-23045-6_5); www.springer.com
3. War, A.R., Buhroo, A.A., Hussain, B., **Ahmad, T., Nair, R.M. & Sharma, H.C. (2019).** Plant defense and insect adaptation with reference to secondary metabolites *In: J.M. Mérillon & K.G. Ramawat* (Eds.), “*Co-Evolution of Secondary Metabolites, Reference Series in Phytochemistry.*”. pp 1-28; © **Springer Nature Switzerland AG 2019.** ISBN: 978-3-319-76887-9; eISBN: 978-3-319-76887-8. [https://doi.org/10.1007/978-3-319-76887-8\\_60-1](https://doi.org/10.1007/978-3-319-76887-8_60-1); www.springer.com
4. Gull, S. & **Ahmad, T. (2019).** Patterns in abundance and seasonality of stink bug, *Apodiphus pilipes* (Hemiptera: Pentatomidae): A minor pest of walnuts. *In: (Eds.) Horizons in Zoological Studies*. pp 134-144; Department of Zoology, University of Kashmir, Srinagar, J & K. ISBN: 978-93-5351-851-6.
5. **Ahmad, T., Nabi, S. & Humera, Q. (2018).** Biotechnology: A Tool in Termite Management. *In: M. A. Khan & W. Ahmad* (Eds.), “*Termites and Sustainable Management, Sustainability in Plant and Crop Protection*” Vol 2: pp 289-315; © **Springer International Publishing AG 2018, Switzerland.** ISBN: 978-3-319-68725-4; eISBN: 978-3-319-68726-1. [https://doi.org/10.1007/978-3-319-68726-1\\_13](https://doi.org/10.1007/978-3-319-68726-1_13); www.springer.com
6. Rizvi, S.K.A., Badruddin, S.M.A., & **Ahmad, T. (2004).** Biological control of teak locust, *Gastrimargus africanus* (Orthoptera: Acrididae) by Parasitic & Predatory mite, *Eutrombidium trigonum* (Acarina: Trombididae). *In: (Eds.) “Biological Control of Insect Pests”* Phoenix Publishing House Pvt. Ltd. New Delhi, India Ed. Pp 6-8. ISBN: 81-7484-068-0.

## CONFERENCES/PAPERS PRESENTED (34 Total)

### INTERNATIONAL (04 Total)

1. **Ahmad, T. & Stephan, D. (2018).** Walnut pests and their management by entomopathogens in a changing world: A case study of Kashmir Himalaya *In: ESA, ESC and ESBC Joint Annual Meeting (Entomology 2018) November 11-14, 2018, Vancouver, British Columbia, Canada.* (Could not attend due to delay in visa issuance).

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2. **Ahmad, T. (2017).** Sino-German symposium on Integrated Management of *Drosophila suzukii* June 27-29, 2017, Julius Kühn Institute, Darmstadt & Dossenheim, **Germany**.
3. **Ahmad, T. (2011).** Ethological studies on colour patterns in some occasionally gregarious acridoids of North India. *In: 2<sup>nd</sup> World Conference on Biological Invasions and Ecosystem Functioning (BIOLIEF) November 21-24, 2011, Mar del Plata, Argentina.*
4. **Ahmad, T. (2011).** Coordination Impairment Induced in Male Albino Rats Treated with Methylmercury chloride: Ameliorative Effect by Vitamin-E and Acetyl-L-carnitine. *In: 2<sup>nd</sup> World Conference on Biological Invasions and Ecosystem Functioning (BIOLIEF) November 21-24, 2011, Mar del Plata, Argentina.*
5. **Ahmad, T. (2011).** The role of food plants in the survival and development of bamboo locust *Choroedocus illustris* Walker (Orthoptera : Acrididae). *In: Global Conference on Entomology March 5-9, 2011, Chiang Mai, Thailand.*
6. **Ahmad, T. (2011).** Application of Dyar's law to different hopper instars of *Acrida exaltata* Walker (Orthoptera:Acrididae). *In: Global Conference on Entomology March 5-9, 2011, Chiang Mai, Thailand.*
7. **Ahmad, T. (2011).** On the incubation period and hatching of eggs of *Acrida exaltata* Walker (Orthoptera : Acrididae). *In: Global Conference on Entomology March 5-9, 2011, Chiang Mai, Thailand.*
8. **Ahmad, T. (2002).** Global changes – Issues and challenges with reference to climatic changes affecting zoogeography of locusts. *In: International Conference on Global Change: Issues and Challenges January 12-14, 2002. Department of Geography, A.M.U., Aligarh.*

### IN INDIA

9. **Ahmad, T. (2020).** Management of invasive plants using native insect herbivores: A case study of Bhangus Valley *In: National Seminar on Advancement of Biology in the 21<sup>st</sup> Century: February 28-29, 2020. Department of Zoology, Visva Bharati University, West Bengal.*
10. **Ahmad, T. (2018).** DNA barcoding and its relevance to pests and biological control. *In: National Seminar on Animal Science Congress: Horizons in Zoological Studies; August 04-06, 2018, Department of Zoology, University of Kashmir, Srinagar, Kashmir.*
11. **Ahmad, T. (2018).** Management of insect herbivores by entomopathogens in Walnut ecosystem of Kashmir Himalaya. *In: 13th JK Science Congress (JKSC-2018); April 02-04, 2018, University of Kashmir, Srinagar, Kashmir.*
12. **Ahmad, T. (2015).** Water contamination, pesticide runoff and role of natural enemies in the productivity of walnuts in Kashmir. *In: MMDWQ & XXVIII Annual Conference of National Environmental Science Academy; December 21 – 23, 2015, Uttarakhand State Council for Science and Technology (UCOST), Dehradun.*
13. **Ahmad, T. (2015).** Effect of host density on oviposition behaviour of *Trioxys pallidus* (Hymenoptera: Braconidae). *In: 11th JK Science Congress & Regional Science Congress October 12-14, 2015, University of Kashmir, Srinagar, Kashmir.*
14. **Ahmad, T. (2013).** Study of parthenogenesis in *Panaphis juglandis* Geoze (Homoptera : Aphididae) under laboratory conditions. *In: 9th JK Science Congress & Regional Sci. Cong. October 01-03, 2013, University of Kashmir, Srinagar, Kashmir.*
15. **Ahmad, T. (2012).** Effect of isolated and crowded conditions on the viability of eggs, egg-pods and incubation periods in some agriculturally important Acridoids. *In: National Seminar on Science for Shaping the Future of India: Faunal Diversity – Challenges and*



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- Opportunities November 19-21, 2012, Post Graduate Department of Zoology, University of Kashmir, Srinagar, **Kashmir**.
16. **Ahmad, T. (2012)**. Morphometrical studies on an agriculturally important Acridoid, *Choroedocus illustris* (Orthoptera: Acrididae) with special reference to its gregarious behaviour. *In: 8th JK Science Congress* September 17-19, 2012, University of Kashmir, Srinagar, **Kashmir**.
  17. **Ahmad, T. (2010)**. Adverse influence of low level of lead nitrate on basic amino acids in liver cells of *Rattus norvegicus*: Analysis by descending paper chromatography. *In: 6th JK Science Congress* December 02-04, 2010, University of Kashmir, Srinagar, **Kashmir**.
  18. **Ahmad, T. (2009)**. Preferential role of food plants on the hopper development period and daily rate of development of *Acrida exaltata* Walker. *In: National conference on Biodiversity: Present Status & Future Challenges* March 26-28, 2009, Department of Botany, University of Kashmir, Srinagar, **Kashmir**.
  19. **Ahmad, T. (2008)**. Effect of different temperatures on the incubation period and hatching of eggs of bamboo locust, *Choroedocus illustris* Walker (Orthoptera: Acrididae). *In: Dr. Leslie C. Coleman Memorial National Symposium on Plant Protection* December 4-6, 2008, University of Agricultural Sciences, GKVK, **Bangalore**.
  20. **Ahmad, T. (2008)**. Studies on Copulation and Ovipositional behavior of bamboo locust, *Choroedocus illustris* Walker (Orthoptera: Acrididae). *In: 4th JK Science Congress* November 12-14, 2008, University of Kashmir, Srinagar, **Kashmir**.
  21. **Ahmad, T. (2004)**. Ecogeographical studies on an occasionally gregarious acridoid, *Oedaleus abruptus* (Orthoptera: Acrididae) with special reference to its colour patterns. *In: National Seminar on Geography in the 21st Century: Issues and Challenges* May 1-2, 2004, A.M.U. **Aligarh**.
  22. **Ahmad, T. (2004)**. A new record of chromic changes in *Choroedocus illustris* (Orthoptera: Acrididae) under crowded condition. *In: National Symposium on the Modern Trends in Researches on Physiological and Ecological Entomology* January 27-29, 2004, **Sagar**.
  23. **Ahmad, T. (2003)**. Grasshoppers as bioindicator of environmental pollution through chromoecological behavior. *In: National Conference on "Environmental Pollution, Prevention and Control" on World Environment Day* 5th June, 2003, University Polytechnic, A.M.U. **Aligarh**.
  24. **Ahmad, T. (2003)**. On the predation potential of certain insectivorous birds in Aligarh with special reference to their utilization as bioresource in biological control. *In: National Symposium on "Assessment and Management of Bioresources"* May 28-30, 2003, University of North Bengal, **Darjeeling**.
  25. **Ahmad, T. (2003)**. Acridoids as bioindicator in Agro-ecosystems. *In: Population, Poverty and Environment Conference* May 10-12, 2003, Department of Geography, A.M.U. **Aligarh**.
  26. **Ahmad, T. (2003)**. Insects as bioindicator of groundwater resources with reference to environmental protection. *In: National Conference on Ground Water Management, Future Challenges and its Impact on Environment* March 29-30, 2003, Department of Geology, A.M.U. **Aligarh**.
  27. **Ahmad, T. (2003)**. A new record of gregarious behaviour and colour patterns in *Choroedocus illustris* (Orthoptera: Acrididae) – A Locust in Making. *In: National Symposium on Recent Trends in Zoological Sciences* March 12-13, 2003, Punjabi University, **Patiala**.

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28. **Ahmad, T. (2002).** Chromo-ethological studies on the gregarious behaviour of certain solitary acridoids in north India. *In: A.I.S.W. & 27th E.S.I., March 25-27, 2002, University of Kerala, Thiruvananthapuram.*
29. **Ahmad, T. (2002).** Advances in biological control of acridid pests in India. *In: UGC Working Conference on Entomological Research Progress & Problems March 19-21, 2002, Punjab University, Chandigarh.*
30. **Ahmad, T. (2002).** Ethological studies on *Oxya velox* (Orthoptera: Acrididae) with reference to its environment specificity in acridoid biodiversity. *In: National Symposium on Recent Trends in Restoration of Aquatic Environment and Biodiversity of Insects February 15-16, 2002, K. Arts and Sci. College, Coimbatore.*
31. **Ahmad, T. (2002).** Biological control of Teak Locust, *Gastrimargus africanus* (Orthoptera: Acrididae) by the red mite, *Eutrombidium trigonum* (Acarina: Trombidiidae). *In: Biological Control of Insect Pests February 7-8, 2002, ERI, Loyola College, Chennai.*
32. **Ahmad, T. (2001).** Earwigs as predator on the eggs of *Hieroglyphus nigrorepletus*– A case study of non-pest soil arthropod. *In: National Symposium on Soil Arthropods and their Management September 27-28, 2001, Durgapur, Jaipur.*
33. **Ahmad, T. (2001).** Biological Control of Pests as Gadget for Agricultural Development in India with Reference to Eco-Geographical Significance of the region. *In: Regional Conference of Environment, Agriculture and Poverty March 3-5, 2001, Department of Geography, A.M.U., Aligarh.*
34. **Ahmad, T. (2001).** A new record of occurrence of *Erythracarus* Berlese (Acarina: Anystidae) on *Oxya velox* (Orthoptera: Acrididae) and its utility as a biocontrol agent. *In: National Conference: Plant Protection – New Horizons in the Millennium February 3-25, 2001, Rajasthan College of Agriculture, Udaipur.*

### ABSTRACTS ACCEPTED FOR PRESENTATION INTERNATIONAL (03 Total)

1. **Ahmad, T. (2016).** Role of natural enemies (predators and parasitoids) in integrated pest management of walnut aphids. *In: International Congress of Entomology (ICE 2016) September 25-30, 2016, Orlando, Florida, USA.*
2. **Ahmad, T. (2016).** Management of insect pests and diseases of walnut vis-a-vis tree health and fruit production. *In: 3<sup>rd</sup> International Conference on Agriculture and Forestry-2016, June 1-3, 2016, Manila, Philippines.*
3. **Ahmad, T. (2017).** Population dynamics of Walnut aphids: Does increased urbanization cause increase in pest potential of insect herbivores? *In: 32<sup>nd</sup> Annual meeting of Saudi Biological Society, April 18-20, 2017, Makkah, Saudi Arabia.*

### REVIEWER EXPERIENCE

1. Reviewer, DST-SERB Projects
2. International Journal of Zoology and Animal Biology (IZAB), **USA**
3. International Journal of Entomological Research, Islamabad, **Pakistan**
4. World Applied Sciences Journal, Noshirvani University Technology, Babol, **Iran**
5. Journal of Environmental & Social Sciences, Hyderabad, **India**
6. Journal of the Entomological Research Society, **Turkey**

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## **LIFE FELLOW/ FELLOW**

1. Fellow of Royal Entomological Society (FRES), London, U.K. (2018)
2. Fellow of Linnaean Society (FLS), London, U.K. (2018)
3. Member Entomological Society of America (MESA), USA (2018)
4. Fellow of Zoological Society of India, Kolkata. (FZSI) (2014), ZSI no. L/A-22
5. Fellow of Entomological Society of India, New Delhi. (FESI) (2008)
6. Fellow of National Environmental Science Academy, New Delhi. (FNESA) (2003)

## **MEMBERSHIP/EDITORIAL BOARD MEMBER**

1. International Journal of Development and Sustainability, Japan
2. International Journal of Zoology and Animal Biology (IZAB), USA
3. International Congress of Entomology, USA
4. Biological Invasions and Ecosystem Functioning (BIOLIEF), Argentina
5. Global Conference on Entomology (GCE), Thailand.
6. International Conference on Agriculture and Forestry, Philippines.
7. Journal of Environmental & Social Sciences, Hyderabad, India

## **ADMINISTRATIVE/CORPORATE EXPERIENCE**

1. Coding/Decoding Officer for Post Graduate Courses w.e.f. 2007 - 2014.
2. Incharge for Entrance Examination (P.G. Zoology) for two years in 2008 & 2009.
3. Examination Incharge (I/C) w.e.f. 2007 - 2014.
4. Museum Incharge (I/C) w.e.f. 2016 till date.
5. Member of Departmental Committee (DC), Departmental Research Committee (DRC), Departmental Purchase Committee (DPC), Departmental Library Committee (DLC), Departmental Museum Committee (DMC).
6. Member of PG/UG board of studies.

## **INVITED LECTURES/RESOURCE PERSON**

1. Delivered an invited lecture on the topic entitled, “Walnut Industry of Kashmir: Problems, Prospects and Challenges” on 25<sup>th</sup> of June, **2017** at Julius Kuhn Institute, Federal Research Centre for Cultivated Plants, Institute for Biological Control, **Germany**.
2. National level workshop on “Preventive Conservation of Manuscripts” sponsored by Ministry of Culture, Govt. of India and organised by Allama Iqbal Library, University of Kashmir from 6<sup>th</sup> – 10<sup>th</sup> April, **2015**.
3. Training programme on “To develop biopesticides as cottage industry and development of entrepreneurship among rural youths of Uttaranchal ” sponsored by D.B.T, Ministry of Sci. & Tech., Govt. of India, New Delhi from 16-22 Dec, 2005; 3-9 Jan, 2006; 24-30 Jan, 2006; 6-12 Feb, 2006; 28 Feb - 6<sup>th</sup> Mar and 23-29 Mar, **2006**.
4. Trained rural youth of Uttranchal in Kisan Mela at G.B.P.U.A.T., Pantnagar, Uttranchal, **2006**.
5. Mass Production Technology of Bio-agents viz. *Trichogramma spp.*, *Chrysopid* predators & NPV at G.B.P.U.A.T., Pantnagar, Uttranchal, **2006**.

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### SUPERVISION/RESEARCH GUIDE

S. No.	Name of the Student	Degree	Status	Year
01.	Shabeer A. Wani	Ph.D.	Awarded	2016
02.	Shazia Gull	M. Phil.	Awarded	2016
03.	Mir Tajamul	M. Phil.	Awarded	2015
04.	Fahmeeda Akhter	M. Phil.	Awarded	2015
05.	Parvez A. Wani	M. Phil.	Awarded	2014
06.	Ajaz Ahmad Magrey	Ph. D.	Submitted	2021
07.	Shazia Gull	Ph. D.	Submitted	2021
08.	Bilal Ahmad	Ph. D.	In Progress	
09.	Raies Ahmad	Ph. D.	In Progress	
10.	Iqra Gulzar	Ph. D.	In Progress	
11.	Farhana Yousuf	Ph. D.	In Progress	
12.	Mohammad Ali	Ph. D.	In Progress	
13.	Mohammad Illyas	Ph. D.	In Progress	
14.	Majid Ali	Ph. D.	In Progress	
15.	Shafia Hassan	Ph. D.	In Progress	
16.	Syed Nighat	Ph. D.	In Progress	

### M.Sc. PROJECTS (90 Total)

Guided Seventy five (90) students of M.Sc. 4th semester in their project work w.e.f. 2006 to 2020.

### TRAINING COURSES/WORKSHOPS

1. One day workshop on “Prominence of Animals in Research” held on July 10<sup>th</sup>, 2020, Indian Institute of Technology (IIT), Ropar.
2. One day workshop on “Plagiarism – An opportunity to learn, teach and excel” held on June 24<sup>th</sup>, 2020, Department of Bioresources, University of Kashmir in collaboration with Turnitin.
3. One day workshop on “Planning and organizing research using Elsevier tools: Scencedirect, Scopus and Mendeley” held on April 26<sup>th</sup>, 2020, Department of Bioresources, University of Kashmir in collaboration with Elsevier, New Delhi.
4. Eight (08) day hands on training on “Identification of Hemipteran insects of Agricultural importance” held w.e.f. 19<sup>th</sup>– 26<sup>th</sup> February, 2020, Zoological Survey of India, Kolkata, Govt. of India, West Bengal.
5. “National level Workshop on Mathematics and its application” held w.e.f. 5th – 11th October, 2015, Department of Mathematics, University of Kashmir, Srinagar, J & K, Collaborated with NBHM, Department of atomic energy, Govt. of India.
6. Three week UGC sponsored Refresher Course (RC) organised w.e.f. 15/02/2014 to 07/03/2014, at Academic Staff College, University of Indore (Devi Ahilya Vishwavidyalaya), Medhapradesh.
7. Three week UGC sponsored Refresher Course (RC) organised w.e.f. 08/09/2011 to 28/09/2011, at Academic Staff College, University of North Bengal, Silliguri, Darjeeling.

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8. Four week UGC sponsored General Orientation Course organised (OC) w.e.f. 28/01/2008 to 25/02/2008, at Academic Staff College, University of Kashmir, Srinagar.
9. “Workshop on Excellence in Research” held w.e.f. 7th – 11th January, 2005, Aligarh Muslim University, Aligarh.
10. Certificate course in Windows-98, MS Office, SPSS-II from Tata Infotech., A.M.U., Aligarh.