

## AWARDS AND ACHIEVEMENTS



### TIRTHANKAR DALUI

M.Sc (Cal), M.A (KU), B.Ed (K.U)

ASSISTANT PROFESSOR

[STAGE II]

HEAD OF THE DEPARTMENT

DEPARTMENT OF ZOOLOGY

- CSIR NET (JRF) qualified.
- GATE qualified.
- Worked In NTRF-sponsored project as Junior Research Fellow, Entomology Laboratory, Department of Zoology, University of Calcutta.
- Awarded third best paper presenter in an International online workshop on “Technology a solution for environment up gradation”, organized by Saksham Society, Jaipur, Rajasthan, Narasingh Chowdhury autonomous college, Jaipur, Odisha, India and Nepal Youth Association for World Peace, Nepal.

## EXPERIENCES

- 8 years of teaching experience as an Assistant Teacher, B.A High School, Kol-700058.
- 10 years of teaching experience as an Assistant Professor at Barasat College, Kol-700126 (continuing).
- Presently working as a Ph.D. Scholar in the Entomology Laboratory, Department of Zoology, KU.

## PROFILE

- ❖ **GOOGLE SCHOLAR:**  
<https://scholar.google.com/citations?user=j70HuNEAAAAJ&hl=en>
- ❖ **ORCID ID:** <https://orcid.org/0009-0001-2219-7639>
- ❖ **RESEARCH GATE:**  
<https://www.researchgate.net/profile/Tirthankar-Dalui-2>
- ❖ **SPECIALISATION :**Entomology
- ❖ **AREA OF INTEREST:**Entomology, Agriculture & Ecology.

## CONTACT

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- ❖ [tirthankardalui@yahoo.com](mailto:tirthankardalui@yahoo.com)

## SKILLS

### Experienced on

- Phytochemical extraction.
- Pesticide formulation.
- Bioefficacy and dose-response assay.
- SPSS (version 22).
- R-Programming.
- OPSTAT.
- Origin Pro 8.
- Mendeley reference manager.

## ATTENDED SEMINAR/WORKSHOP/COURSES

1. **Participated and paper presented** in two days National level seminar-cum –workshop on “awareness campaign & workshop for destructive diseases among backward & minority communities of eastern India” **24-25th March, 2011**, organized by Barasat college, Kol-126.
2. **Participated and paper presented** in two days U.G.C sponsored national conference on “Biodiversity: interrelationship between flora, fauna and human”, **29-30th September, 2013**, organized by Mrinalini Datta Mahavidyapith in collaboration with West Bengal State University.
3. **Participated** one day seminar on “advancing biology through technology and computation”, **22nd August, 2014**, organized by Department of microbiology, West Bengal State University and Kingston college of science.
4. **Participated** in 105th Orientation Programme, **July 15-August 12, 2014**, organized by UGC academic staff college, University of Calcutta.
5. **Participated** in 2nd Refresher course in Biological science, **Sept 23-Oct 12, 2015**, organized by HRDC, University of Burdwan.
6. **Participated** in UGC sponsored National seminar on Food Security and Sustainable Nutrition in India: The present Scenario, organised by Department of Food and Nutrition, APC College, New Barrackpore and Department of Biochemistry & Nutrition, All India Institute of Hygiene and public health. **15th & 16th September, 2016**.
7. **Participated** in one day seminar for college teachers on biotechnology revolution in India: the roads ahead, organised by GLF Buissness School, Salt Lake Campus, **25th November, 2017**.
8. **Participated and poster presented** in one day International conference on contemporary health issues and environmental impact, organised by Department of Zoology, Sarojini Naidu College for Women, Kolkata in collaboration with Department of Zoology, West Bengal State University and Lincoln University college, Malaysia. **30th November, 2017**.
9. **Participated and poster presented** in one day state level seminar on “Biological Sciences in the new era: current progress and challenges ahead” organised by Department of Botany, Physiology, Zoology and Chemistry, Government General Degree College at Kaliganj. **30th January, 2018**.
10. **Participated** in one day interactive workshop on CBCS at the WBSU campus for developing the undergraduate level syllabus and curricula for the subject of Zoology of West Bengal State University, **9th February, 2018**.
11. **Participated** in one day interactive workshop on CBCS at the WBSU campus for developing the undergraduate level syllabus and curricula for the subject of Zoology of West Bengal State University, **30th August, 2019**.
12. **Participated and poster presented** in two days National seminar on “Diversity in the Era of Globalisation challenges and management”, organised by Bidhannagar College, sponsored by Department of Higher Education and Department of Science and Technology and Biotechnology, Government of West Bengal, **22nd and 23rd February, 2020**.
13. **Participated and poster presented** in one day National level seminar and poster competition, funded by Department of Higher Education, Govt. of West Bengal, organised by Department of Zoology, Ramkrishna Mission Vidyamandira. **6th March, 2020**.
14. **Participate and poster presented** in two days National Conference on “Biotechnology & Agriculture based technological interventions towards sustainable rural development”, organised by Department of Biotechnology, Brainware University, Barasat, Kolkata. **14th March-15th March 2020**.
15. **Participated** in the “five-day faculty Development Program (Online mode) on “Quality Enhancement in Teaching, Learning and Assessment during Covid 19 and Post Covid time- Opportunities and Challenges” organized by IQAC East Calcutta Girls College in collaboration with IQAC Acharya Prafulla Chandra College. **27th May to 31st May, 2020**.
16. **Participated** in the International webinar on COVID-19 & its preventive measures, organised by NSS units, Midnapore College (Autonomous), Midnapore, West Bengal, India., **2nd -3rd June, 2020**

- 17. Participated and presented a research paper** entitled "Hotspot", the key to Preserving Biological Diversity in the National virtual conference on 'Biodiversity & Sustainable Development' organised by Department of Botany, R. P. Gogate College of Arts and Science and R. V. Joglekar College of Commerce, Ratnagiri in Collaboration with Ratnagiri Sub Center, University of Mumbai and Environmental Society, Ratnagiri. **5th to 6th June 2020.**
- 18. Participated and paper presented** in an International webinar on "Ecosystem conservation-strategies for sustainable future "organised by Saksham Society, Jaipur, Rajasthan, India in association with federal technical University, Akure, Nigeria and German Institute of Homa therapy, Germany. **6th to 8th June, 2020.**
- 19. Participated** in International Webinar Series organized jointly by Departments of Botany, Zoology, Molecular Biology & Industrial Fish and Fisheries, Brahmananda Keshab Chandra College on Role of Biotechnology in COVID-19 Pandemic- Issues & Challenges.
- 20. Participated** in the Seven Days Online Workshop on "Data Analysis and Interpretation using SPSS", organized by School of Commerce and Management Studies, Dayananda Sagar University, Bangalore. **15th June 2020 to 21st June 2020.**
- 21. Participated** in the online **Refresher course** on Research Methodology: Tools and Techniques, organised by HRDC, Mizoram University. **7th -20th July, 2020**, and obtained Grade-A+
- 22. Participated and paper presented** in an International workshop on "Diabetes and COVID-19, A dual challenge" organised by Saksham Society, Jaipur, Rajasthan in association with New World life organisation health unit, Srilanka, Narasingh Chowdhury autonomous college, Jaipur, Odisha, India and D. A. V. College for girls, Yamuna Nagar, Haryana, India. **24th-26th July, 2020.**
- 23. Participated and paper presented** in an International online workshop on "Technology a solution for environment up gradation", organised by Saksham Society, Jaipur, Rajasthan, Narasingh Chowdhury autonomous college, Jaipur, Odisha, India and Nepal Youth Association for World Peace, Nepal. **8th and 9th August, 2020.**
- 24. Participated** in Two-week Online Faculty Development Programme (42 hours) on 'Recent Trends in Life Sciences 'organized by Barasat College in collaboration with IQAC. **7th -20th September, 2020.**
- 25. Participated** in an e-workshop on "Applied statistics using R programming", organised by Research Smith. **5th Dec-9th Dec, 2020.**
- 26. Participated and poster presented** in National webinar on Recent Advances in Biological Research and Environmental Sustainability (RABRES 2020), Organised by-Department of Zoology, University of Kalyani, Kalyani, Nadia. **07 – 08th, August, 2021.**
- 27. Participated** in the online subject **Refresher course** in Environmental Studies from **25<sup>th</sup> October to 9<sup>th</sup> November, 2021** organised by HRDC, Aligarh Muslim University, Aligarh, and obtained Grade-'A'
- 28. Participated** in the online **STC** on -E-Content development and MOOCs from **13<sup>th</sup> December to 19<sup>th</sup> December, 2021** organised by HRDC, Gujarat University, Ahmedabad.
- 29. Participated and presented** a paper entitled "Evaluation of larvicidal efficacy of selected plant extracts against mango fruit borer *Autocharis albizonalis* Hampson (Pyrallidae: lepidoptera)", in the National Seminar on 'Popular and Basic Sciences: A quest towards foundation of science' organised by Sarat Centenary College, Dhaniakhali, Hooghly, West Bengal, Sponsored by DSTBT, Govt. of West Bengal from **23rd September to 24th September, 2022.**
- 30. Participated** in the online **STC** on -Soft Skills from **11<sup>th</sup> October to 17<sup>th</sup> October, 2022** organised by HRDC, Gujarat University, Ahmedabad.
- 31. Participated** in 15 days certificate course on "Extraction and qualitative assay of Phytochemicals" from SHRM Biotechnologies Pvt.Ltd, **25<sup>th</sup> January, 2022.**
- 32. Participated and poster presented** in International Conference on Drug Discovery & Development for Infectious Diseases: Cutting-edge Research and Challenges Organized by Eminent College of Pharmaceutical Technology In association with Bio Equivalence Study Centre, Jadavpur University GC-MS based metabolite profiling of leaf extract of medicinal plant *Justicia gendarussa* (Burm f.) **3<sup>rd</sup> and 4<sup>th</sup> March, 2023.**

## PAER PUBLISHED IN JOURNALS

1. Dalui, T.; Debnath, S. and Chakraborti, K. A comparative study on infestation of fruit borer *Deanolis albizonalis* (Hampson) between some Folk and Commercial varieties of mango in West Bengal. **Research and reviews: Journal of Ecology** 2015,4: p.1-4. (ISSN 2278-2230).<http://sciencejournals.stmjournals.in/index.php/RRJoE/article/view/602>
2. Dalui, T.; Debnath, S. and Chakraborti, K. Physiochemical properties of different mango fruit varieties in relation to incidence of Mango fruit borer *Autocharis albizonalis*. **Journal of life science** 2015.(ISSN 2249-8656).
3. Dalui, T.; Debnath, S. and Chakraborti, K. Incidence of Mango fruit Borer *Autocharis albizonalis* on some Mango fruit varieties in relation to their different physiochemical parameters. **International Journal of Fauna and Biological Studies** 2016. (ISSN 2347-2677)  
<http://www.faunajournal.com/archives/2016/vol3issue1/PartA/2-5-17.pdf>
4. Dalui, T. Efficacy of different insecticidal treatment schedule against mango gall midge *Procontarinia matteiana*, (Kieffer & Cecconi). **Uttar Pradesh Journal of zoology**. 2020.(ISSN 0256-971X).  
<https://www.mbimph.com/index.php/UPJOZ/article/view/1742>
5. Dalui, T.; Mondal, A. Radon: The hidden killer. **International journal of current microbiology and applied sciences**.2020 (ISSN 2319-7706). <https://doi.org/10.20546/ijcmas.2020.909.031>
6. Dalui, T. Mukherjee, D. and Adhikary, S. Convalescent plasma therapy as a treatment option for COVID-19: A review. **Uttar Pradesh Journal of zoology**. 2020.(ISSN 0256-971X).  
<http://mbimph.com/index.php/UPJOZ/article/view/1742>
7. Dalui, T. "Hotspot", the key to Preserving Biological Diversity. **Chronicle of humanities and cultural studies**.2020 (ISSN 2454-5503).
8. Mondal, N. and Dalui, T. GM crops: Their benefits and drawbacks. **Journal of environment and sociobiology**.2020. (ISSN 0973 -0834)  
<http://www.i-scholar.in/index.php/JESEBA/article/view/206815>
9. Mondal, A. and Dalui, T. Potential benefits of genetically improved farmed Tilapia (GIFT) in aquaculture. **Journal of environment and sociobiology**.2020. (ISSN 09730834).  
<http://52.172.152.24/index.php/JESEBA/index>
10. Dalui, T. and Sarkar, S. Seasonal incidence and damage potentiality of Litchi fruit Borer (*Conopomorpha sinensis* Bradley, 1986) in relation to major abiotic environmental factors. **Ecology, environment, and conservation**.2021. (ISSN0971-765X).  
[http://www.envirobiotechjournals.com/article\\_abstract.php?aid=11163&iid=324&jid=3](http://www.envirobiotechjournals.com/article_abstract.php?aid=11163&iid=324&jid=3)
11. Dalui, T. and Sarkar, S. Efficacy of some commercially available insecticides against mango fruit-borer, *Autocharis* (= *Noorda*) *albizonalis* (Hampson, 1903) (Lepidoptera:Pyralidae). **Journal of Entomological Research**.45:4.2021. (ISSN 0378-9519). DOI:10.5958/0974-4576.2021.00114.6
12. Dalui, T. and Sarkar, S. A study on the life history of plain tiger *Danaus chrysippus linnaeus* (Lepidoptera: Nymphalidae) in West Bengal. **International Journal of Entomology Research**. Volume 7, Issue 4, 2022, Page No. 99-104. (ISSN 2455-4758) 2022

## PAPER PUBLISHED IN BOOK CHAPTER/ABSTRACT/PROCEEDING

1. Dalui, T. 2011. Malaria and its impact on rural and urban population of eastern India. Paper presented in National level seminar-cum –workshop on awareness campaign & workshop for destructive diseases among backward & minority communities of eastern India, Barasat College, 24-25<sup>th</sup> March, 2011: Abstract p.23.
2. Debnath, S. Dalui, T and Chakraborti, K, 2013. A survey on mango fruit borer infestation. Paper presented in U.G.C sponsored national conference on Biodiversity: interrelationship between flora, fauna and human, Mrinalini Datta Mahavidyalaya & West Bengal State University, 29-30<sup>th</sup> September, 2013: Abstract p.73.
3. Dalui, T. 2014. Animal infanticide and its role as a part of male reproductive strategy. Paper presented in 105<sup>th</sup> Orientation Programme, UGC academic staff college, University of Calcutta, July 15-August 12, 2014: p.117.
4. Dalui, T.; Mondal, N. and Rakshit, R. Release of Urushiol from Mango Peel due to infestation by Fruit borer *Autocharis albizonalis* leads to contact dermatitis. Contemporary Health issues and Environmental Impact. Published by Lincoln University College, Malaysia. 2018. (ISBN: 978-967-10937-9-5). [http://www.lucp.net/books-pdf/Proceeding\\_Draft.pdf](http://www.lucp.net/books-pdf/Proceeding_Draft.pdf)
5. Mondal, A. and Dalui, T. Risk of COVID-19 infection associated with pre-existing Diabetes-Mellitus. Risk of COVID-19 infection associated with pre-existing Diabetes-Mellitus. 2021 (ISBN-9789354162381).
6. Dalui, T. Biodiversity hotspot an approach to minimize species extinctions: a short review. Abstract proceedings of international webinar on ecosystem conservation and sustainability, organised by Saksham Society, Jaipur, Rajasthan, Narasingh Chowdhury autonomous college, Jaipur, Odisha, India in association with Stamford University, Bangladesh, Nepal Youth Association for World Peace, Nepal, federal technical University, Akure, Nigeria and German Institute of Homa therapy, Germany. 2020; p-49-50.
7. Dalui, T. Mondal, N. and Mondal, A. A study on the life history, damage pattern and management of mango midge *Erosomyia mangiferae* (Felt, 1918) in West Bengal. National Webinar on Recent Advances in Biological Research and Environmental Sustainability (RABRES 2020). Book of abstract. p-18
8. Dalui, T and Mondal, A. Unmanned aerial vehicle (UAV), a true friend to the farmers. Technology a solution for environment up gradation. 2021. (ISBN-9789354372247).
9. Dalui, T. Bioefficacy of Endosulfan 50 WDG In Mango. Aspire: A critical Volume on Interdisciplinary Topics, Progressive publishers. p.53-55. (ISBN-9788180643545)
10. Dalui, T. Evaluation of Some Commercially Available Insecticides against Mango Leaf Gall Midge *Procontarinia matteiana* (Diptera: Cecidomyiidae). New Visions in Biological Science Vol. 4. 2021. p-111-117. (ISBN- 978-93-5547-119-2). DOI: <https://doi.org/10.9734/bpi/nvbs/v4>
11. Dalui, T and Mondal, N. A review on faunal diversity in Western Ghats, India. Biodiversity: Earth's Living Treasure. Insta Publication. 2022. p1-12. (ISBN- 978-93-90719-60-0)
12. Dalui, T and Mondal, N. Bird ringing as a tool for conservation of birds. Life centric: recent trends in Life Science. First Edition. Blue Rose One. 2022. p106-117. (ISBN- 978-93-5628-329-9)