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Expertise

Parasitology

Microbiology, Biological Control, Phytochemical Analysis, Public Health and Occupational Health

Work experience

1. Dr. Bhupendra Nath Dutta Smriti Mahavidyalaya 2010 — Present

Assistant Professor
Purba Bardhaman

Education

1. Ph.D. - 2023

Raja Narendra Lal Khan Womens College

2. Ph.D. - 2010

The University of Burdwan

Honours and Awards

1. 2nd Position in Oral Presentation - 2020

Raja Narendra Lal Khan Women's College (Autonomous)

2. 2nd position in 22nd National Congress of Parasitology - 2010

National Congress of Parasitology, Kalyani University

Patent

1. A NOVEL COMPOUND FROM AZOLLA PINNATA LEAF EXTRACT HAVING LARVICIDAL POTENTIALITY AGAINST CULEX QUINQUEFASCIATUS MOSQUITO

Inventor(s): INDRANIL BHATTACHARJEE, PARTHA PRATIM CHAKRAVORTY, Assignee: INDRANIL BHATTACHARJEE , PARTHA PRATIM CHAKRAVORTY

Published: 2022-09-23

Publication

1. Pesticide Soil Pollution: An Overview about Advantages and Disadvantages of Different Remediation Technologies

Current World Environment, Year 2023

2. Evaluation of mosquito larvicidal activity of Azolla pinnata leaf extracts against the filarial vector Culex quinquefasciatus

Bhattacharjee, I., Mandal, B., Chakravorty, P.P.

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3. Phytoextracts as Antibacterials- A Review

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Current Drug Discovery Technologies, Volume 17, Year 2020, Pages 523-533

4. Development status of Wuchereria bancrofti in experimentally infected Culex quinquefasciatus with seasonal fluctuations - A study in slums of Burdwan

Bhattacharjee, I., Mandal, B., Chakravorty, P.P.

International J of Entomology Research, Volume 5, Year 2020, Pages 97-102

5. Phytoextracts as antibacterials: A review

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Current Drug Discovery Technologies, Volume 17, Year 2020, Pages 523-533

6. **Hypolipidemic effect of steroid compound from *Cestrum diurnum* (Solanaceae: Solanales) in normocholesterolemic albino rat**
Anupam Ghosh ., Indranil Bhattacharjee ., Goutam Chandra .,
Natural Product Research, Volume 33, Year 2019, Pages 573-576
7. **Larvivorous potentiality of *Puntius tetrazona* and *Hyphessobrycon rosaceus* against *Culex vishnui* subgroup in laboratory and field based bioassay** 06 Biological Sciences 0602 Ecology
Barik M.;Bhattacharjee I.;Ghosh A.;Chandra G.
BMC Research Notes, Volume 11, Year 2018
8. **Biodiversity and conservation status of Fishes around Kalna and its adjacent areas, Burdwan District, West Bengal, India**
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9. **Economics of fish production at Kalna and its adjacent areas, Burdwan District, West Bengal, India**
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Indian Journal of Biology, Volume 4, Year 2017, Pages 23-29
10. Pal, S., Ghosh, T., Bhattacharjee, I.
Indian Journal of Biology, Volume 4, Year 2017, Pages 49-60
11. **Fish diversity and water quality assessment of the river Damodar in and around Burdwan, West Bengal, India**
Bhattacharjee, I., Mandal, B., Roy, P. S.
Indian Journal of Biology, Volume 3, Year 2016, Pages 9-18
12. **Food and feeding habits of three air-breathing fishes in its natural habitat**
Bhattacharjee, I., Chandra, G.
International Journal of Fisheries and Aquatic Studies, Volume 4, Year 2016, Pages 586-589
13. **Bancroftian filariasis in four slums of Bankura, West Bengal, India**
Mandal B.;Bhattacharjee I.;Mondal D.;Kundu J.K.;Chandra G.
Asian Pacific Journal of Tropical Disease, Volume 6, Year 2016, Pages 699-708
14. **Pattern of Human-Biting activity of *Aedes aegyptii* L. and *Aedes albopictus* Skuse in a Garden locale from city of Kolkata, India**
Chandra, G., Bhattacharjee, I., Banerjee, R., Talukdar, S., Mondal, R., Hati, A.K.
Journal of Mosquito Research, Volume 13, Year 2015, Pages 1-5
15. **Biocontrol efficiency of two indigenous fishes *Pethia conchonius* and *Trichogaster chuna* against larvae of the mosquito, *Culex quinquefasciatus*, 1823**

Chandra, G., Mandal, B., Bhattacharjee, I., Kundu, J.K.

Asian Academic Research Journal of Multidisciplinary, Volume 2, Year 2015, Pages 38-52

16. **Bacillus cereus infection in stinging cat fish, *Heteropneustes fossilis* (Siluriformes: Heteropneustidae) and their recovery by *Argemone mexicana* seed extract**

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17. **Antibacterial effects of *Azadirachta indica* and *Curcuma longa* on fish pathogens**

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18. **Diversity assessment of mosquito across habitats in the slum areas of Bankura, West Bengal, India**

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Interdisciplinary Journal of Multidisciplinary Research and Development, Volume 2, Year 2015, Pages 595-601

19. **Isolation of Antibiotic and Heavy Metal Resistance Bacteria from Organs of Sewage Fed Farm Fish**

Mandal, B., Bhattacharjee, I., Mukherjee, S., Chatterjee, S.K., Roy, P. S.

Indian Journal of Biology, Volume 2, Year 2015, Pages 105-109

20. **Synergistic activities of doxycycline and ofloxacin in combination with methanolic seed extract of *Argemone mexicana* against four pathogenic bacteria**

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21. **Efficacy of extracts of two medicinal plants of India against some pathogenic bacteria**

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24. **Retrospective analysis of dengue specific Ig M reactive serum samples**

Bhattacharya, N., Bandopadhyay, B, Bhattacharjee, I., Mukherjee, H., Talukdar, S., Pramanick, N.,

- Chandra, G., Hati, A.K.
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25. **Use of larvivorous fish in biological and environmental control of disease vectors**
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Hati, A.K., Bhattacharjee, I., Mukherjee, H., Bandopadhyay, B., Bandopadhyay, D., De, R., Chandra, G.
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28. **Studies on breeding habitats and density of post embryonic immature filarial vector in a filarial endemic area**
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33. **Water quality assessment near an industrial site of Damodar River, India.**
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34. **n- Alkane Profile of *Argemone mexicana* leaves**
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38. **Biosorption of heavy metals from industrial waste water by *Geobacillus thermodenitrificans***
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39. **Water quality assessment near an industrial site of Damodar River, India**
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40. **In vitro synergistic effect of doxycycline and ofloxacin in combination with ethanolic leaf extract of *Vangueria spinosa* against four pathogenic bacteria**
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41. **Laboratory and field assessment of the potential of larvivorous, air-breathing fishes as predators of culicine mosquitoes**
Bhattacharjee I.;Aditya G.;Chandra G.
Biological Control, Volume 49, Year 2009, Pages 126-133
42. **Laboratory and field assessment of the potential of larvivorous fishes as predators of Culicine mosquitoes**
Bhattacharjee, I., Aditya, G., Chandra, G.
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43. **Mosquito control by larvivorous fish**
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47. **Microbiological examination of milk in Tarakeswar, India with special reference to coliforms**
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