Bio-data of GAUTAM ADITYA

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PROFESSION OF THE APPLICANT:	**PROFESSOR** **DEPARTMENT OF ZOOLOGY** UNIVERSITY OF CALCUTTA 35 BALLYGUNGE CIRCULAR ROAD. KOLKATA 700019. INDIA
BROAD AREA OF INTEREST:	**ECOLOGY OF VECTOR MOSQUITOES AND SNAILS** CARRYING OUT RESEARCH ON LIMNOLOGY AND BIOLOGY AND DIVERSITY OF VECTOR SNAILS AND MOSQUITOES OF WETLANDS. BIOREMEDIATION OF HEAVY METAL POLLUTION IN WATER BODIES
1. NAME:	**GAUTAM ADITYA**
2. NATIONALITY:	**INDIAN**
3. ADDRESS FOR CORRESPONDENCE:	**DEPARTMENT OF ZOOLOGY,** **UNIVERSITY OF CALCUTTA,** **35, BALLYGUNGE CIRCULAR ROAD** **KOLKATA- 700019.**
4. FULL HOME ADDRESS:	**H.I.T. HOUSING ESTATE,** **BLOCK 28, TYPE IV, FLAT 4** **ICHAPUR, HOWRAH 711101.** **WEST BENGAL**
5. GENDER:	**MALE**
6. DATE OF BIRTH:	**06/07/1969**
7. RELIGION:	**HINDUISM**
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11. EDUCATION:

EXAMINATION PASSED	YEAR	INSTITUTION/PLACE	PERCENT/ TOTAL MARKS
M.Sc. (Zoology) Spl. Paper Ecology	1992	University of Calcutta, Kolkata 700019.	**64.6%**
Ph.D.	2008	University of Calcutta, Kolkata 700019. India	Studies on the larval development and life history parameters of *Armigeres subalbatus* (Coquillett, 1898)
PGDEE	2005	Indian Institute of Ecology and Environment, New Delhi. India	
Qualified GATE in 1992, 97.23 percentile; 1997, 72.81 percentile; and 2000, 88.3 percentile; Qualified SLET conducted by WBCSC, 1997; Qualified Jt. CSIR-UGC NET, June 1997 (UGC + LS) & December 1997 (LS)			

12. RESEARCH & TEACHING EXPERIENCE

May 1993 – till date: Research activities as Junior Research Fellow of UGC, and Researcher with the Ecology & Ethology Laboratory University of Calcutta (Mainly works on Schistosomiasis vectors – Snails) and Entomology & Wild-life Biology Laboratory University of Calcutta (Works on Mosquitoes)

PH.D.THESIS AWARDED 2008; TITLE OF THE THESIS: Studies on the larval development and life history parameters of *Armigeres subalbatus* (Coquillett, 1898)

March 12, 2001 – November 13, 2006: Lecturer in Zoology in WBES, Post Graduate Department of Zoology, Darjeeling Government College, Darjeeling 734101. West Bengal, India

November 14, 2006 – 28 November, 2007: Lecturer in Zoology, Department of Zoology, The University of Burdwan, Golapbag, Burdwan 713104. West Bengal, India.

November 29, 2007 – 14 December, 2009: Lecturer (Senior Scale) in Zoology, Department of Zoology, The University of Burdwan, Golapbag, Burdwan 713104. West Bengal, India.

December 15, 2009 –December 14, 2012: Reader in Zoology Department of Zoology, The University of Burdwan, Golapbag, Burdwan 713104. West Bengal, India.

December 15, 2012 – Till date: Associate Professor of Zoology, Department of Zoology, The University of Burdwan, Golapbag, Burdwan 713104. West Bengal, India

March 01, 2011 – February 28, 2013: Head, Department of Zoology, The University of Burdwan, Golapbag, Burdwan 713104. West Bengal, India.

Supervised M.Sc. Project works on Vector mosquitoes of Darjeeling Hills, Earthworm ecology and Prey predator interactions in temporary pools of Darjeeling Hills

Supervised M.Sc. project works for M.Sc. students in **Ecology and Environment** special paper of The University of Burdwan, Golapbag, Burdwan.

Supervised **M.Phil candidates - Four: Awarded in (year/session) - 2008, 2010, 2011, 2012**

Supervised **Ph.D. candidates awarded**: **Seven: Three in 2015; Two in 2017; One in 2018; One in 2020**

1) Studies on the ecology of small indigenous larvivorous fishes of rice fields and allied wetlands
2) Studies on the aquatic insect predators of mosquitoes in rice fields.
3) Studies on the bioremediation potential of some freshwater snails (Gastropoda: Orthogastropoda)
4) Studies on the ecology of freshwater snails in wetlands of Kolkata, India
5) Ecology of *Physa acuta* Draparnaud, 1805 (Physidae: Hygrophila): an invasive aquatic snail in India
6) Small indigenous fish species of some wetlands of West Bengal: ecological and economical appraisal as biological resource
7) Shell architecture and calcium content of shells of freshwater snails (Mollusca:Gastropoda) of West Bengal, India (jointly with Prof. Anandamay Barik, The University of Burdwan)

Supervisor **Ph.D. programme**: **Four registered candidates** in Department of Zoology, University of Calcutta.

13. TRAINING/PROJECTS UNDERTAKEN

A. TRAINING ON INSTRUMENTATIONS. 2000. BOSE INSTITUTE, KOLKATA. (DST SPONSORED) - AUGUST TO OCTOBER 2000
B. UGC SPONSORED MINOR RESEARCH PROJECT. 2004 – 2006. SANCTION NO. F.PSW.066/03-04 (ERO). PROJECT TITLE: DIVERSITY AND ECOLOGY OF CULICINE FAUNA OF DARJEELING HILLS. PROJECT TENURE: JUNE 2004 – JUNE 2006
C. TRAINING ON MOSQUITO IDENTIFICATION 2009 NOVEMBER 9-13, NATIONAL CENTRE FOR DISEASE CONTROL, NEW DELHI (FORMERLY NICD)
D. ACTED AS ORGANIZING SECRETARY, *INTERNATIONAL SEMINAR ON RESEARCHES IN ZOOLOGY-BASIC AND APPLIED* 17 – 19 MARCH 2010, DEPARTMENT OF ZOOLOGY, THE UNIVERSITY OF BURDWAN
E. UGC SPONSORED POST DOCTORAL RESEARCH AWARD 2009-2011. SANCTION NO F 30-90(SC)/ 2009(SA II) DT. 17 SEP 2009. RS. 3,00,000 LAKHS + SALARY (PROJECT TENURE: 12 AUGUST 2009 – 11 AUGUST 2011.
F. ACTED AS CONVENER, *INTERNATIONAL SEMINAR ON AQUACULTURE AND PROBIOTICS* 7TH DECEMBER, 2011 DEPARTMENT OF ZOOLOGY, THE UNIVERSITY OF BURDWAN
G. ACTED AS JOINT COORDINATOR, 5TH REFRESHER COURSE IN LIFE SCIENCE; *RECENT ADVANCES IN LIFE SCIENCE,* 02 – 29 JULY 2013, UGC-ACADEMIC STAFF COLLEGE, THE UNIVERSITY OF BURDWAN

14. RESEARCH PUBLICATIONS (AS OF 07-01-2021)

~APPROXIMATELY 105 PUBLISHED, 3 UNDER REVIEW

1. Raut SK, **Aditya G**. 1999. Occurrence of Golden Mystery Snail *Pomacea bridgesi* (Gastropoda: Ampullaridae) in West Bengal, India. Current Science, 77(11): 1389–1390.
2. **Aditya G**, Raut SK. 2001a. Foods of the introduced snails *Pomacea bridgesi* in India. Current Science, 80(8): 919–921.
3. **Aditya G**, Raut SK. 2001b. Predation of the water bugs *Sphaerodema rusticum* Fabricius on the snail *Pomacea bridgesi* (Reeve), introduced in India. Current Science, 81(11): 1413 –1414.
4. **Aditya G**, Raut SK. 2001. Food of the snail, *Pomacea bridgesi*, introduced in India. Current science 80(8): 919 – 921.
5. **Aditya G**, Raut SK. 2002a. Destruction of *Indoplanorbis exustus* (Planorbidae) eggs by *Pomacea bridgesi* (Ampullariidae). Molluscan Research, 22: 87–90.
6. **Aditya G**, Raut SK. 2002b. Predation potential of the water bugs *Sphaerodema rusticum* on the sewage snails *Physa acuta*. Memórias do Instituto Oswaldo Cruz, 97(4): 531–534.
7. **Aditya G**, Raut SK. 2002c. Predation of water bug *Sphaerodema rusticum* on the freshwater snails *Lymnaea (Radix) luteola* and *Physa acuta*. Veliger, 45(3): 267–269.
8. **Aditya G**, Raut SK. 2002d. Potential of the leech *Glossiphonia weberi* (Blanchard) in controlling the sewage snails *Physa acuta* Draparnaud. Current Science, 83(11): 1317–1319.
9. **Aditya G**, Raut SK. 2004. *Glossiphonia weberi*, an effective predator of the freshwater limpets *Ferrissia baconi*. Current Science, 87(2): 142–144.
10. **Aditya G**, Bhattacharyya S, Kundu N, Saha GK, Raut SK. 2004. Predatory efficiency of the water bug *Sphaerodema annulatum* on mosquito larvae (*Culex quinquefasciatus*) and its effect on adult emergence. Bioresource Technology, 95: 169–172. doi: 10.1016/j.biortech.2004.02.007.
11. **Aditya G**, Bhattacharyya S, Kundu N, Saha GK. 2005. Frequency dependent prey selection of predacious water bugs on *Armigeres subalbatus* immatures. Journal of Vector Borne Diseases, 42: 9–14.
12. **Aditya G**, Raut SK. 2005. Feeding of the leech *Glossiphonia weberi* on the introduced snails *Pomacea bridgesii* in India. Aquatic Ecology, 39: 465–471. doi: 10.1007/s10452-005-9006-2
13. **Aditya G**, Pramanik MK, Saha GK. 2006. Larval habitats and species composition of mosquitoes in Darjeeling Himalayas, India. Journal of Vector Borne Diseases, 43(1): 7–15.
14. **Aditya G**, Ash A, Saha GK. 2006. Predatory activity of *Rhantus sikkimensis* and larvae of *Toxorhynchites splendens* on mosquito larvae in Darjeeling, India. Journal of Vector Borne Diseases, 43(2): 66–72.

15. Pramanik MK, **Aditya G**, Raut SK. 2006. A survey of anopheline mosquitoes and malarial parasite in commuters in a rural and urban area in West Bengal, India. Journal of Vector Borne Diseases, 43(4): 198–202.
16. **Aditya G**, Saha GK 2006. Predation of the beetle *Rhantus sikkimensis* (Coleoptera: Dytiscidae) on the larvae of *Chironomus* Meigen (Diptera: Chironomidae) of the Darjeeling Himalayas of India. Limnologica, 36: 261–257. doi: 10.1016 /j.limno. 2006. 07.004
17. Pramanik MK, Aditya G, Raut SK. 2006. A survey of anopheline mosquitoes and malarial parasite in commutersin a rural and an urban area in West Bengal, India. Journal of vector borne disease. 43(4): 198–202.
18. Pramanik MK, **Aditya G**, Raut SK. 2007. Seasonal prevalence of *Aedes aegypti* immatures in Kolkata, India. Southeast Asian Journal of Tropical Medicine and Public Health, 38 (3): 442–447.
19. Saha N, **Aditya G**, Bal A, Saha GK. 2007a. A comparative study of predation of three aquatic hemipteran bugs on *Culex quinquefasciatus* larvae. Limnology, 8: 73–80. doi: 10.1007/s10201-006-0197-6.
20. Saha N, **Aditya G**, Bal A, Saha GK. 2007b. Comparative study of functional response of common Hemipteran bugs of East Calcutta wetlands, India. International Review of Hydrobiology, 92(3): 242–257. doi: 10.1002/iroh.200610939.
21. **Aditya G**, Bhattacharyya S, Kundu N, Kar PK, Saha GK. 2007. Predatory efficiency of the sewage drain inhabiting larvae of *Toxorhynchites splendens* Wiedemann on *Culex quinquefasciatus* Say and *Armigeres subalbatus* (Coquillet) larvae. Southeast Asian Journal of Tropical Medicine and Public Health, 38(5): 799–807.
22. **Aditya G**, Raut SK. 2007. Effects of Thiokill on the incubation period and hatching of the eggs of the freshwater snails *Lymnaea (Radix) luteola* (Lamarck). Malacological Review, 35 – 36(2002-2003): 123–132.
23. **Aditya G**, Tamang R, Sharma D, Subba F, Saha GK. 2008. Bamboo stumps as mosquito larval habitats in Darjeeling Himalayas, India: A spatial scale analysis. Insect Science, 15: 245–249. doi: 10.1111/j.1744-7917.2008.00207.x
24. Manna B, **Aditya G**, Banerjee S. 2008. Vulnerability of the mosquito larvae to the guppies (*Poecilia reticulata*) in presence of alternative preys. Journal of Vector Borne Diseases, 45(3): 200–206.
25. Saha N, **Aditya G**, Bal A, Saha GK. 2008. Light and habitat structure influences predation of *Culex quinquefasciatus* larvae by the water bugs (Hemiptera: Heteroptera). Insect Science, 15: 461-469. doi: 10.1111/j.1744-7917.2008.00234.x
26. Bhattacharjee I, **Aditya G**, Chandra G. 2009. Laboratory and field assessment of air breathing larvivorous fishes against culicine mosquitoes. Biological Control, 49:126-133. doi: 10.1016/j.biocontrol.2008.12.014.
27. Pramanik MK**, Aditya G.** 2009. Immatures of *Lutzia fuscanus* (Wiedemann, 1820)(Diptera: Culicidae) in ricefields: implications for biological control of vector mosquitoes. Asian Pacific Journal of Tropical Medicine, 2(3): 29–34.
28. **Aditya G,** Pramanik MK, Saha GK. 2009. Immatures of *Aedes aegypti* in Darjeeling Hills – expanding geographical limits in India. The Indian Journal of Medical Research, 129: 455–457.
29. Saha N, **Aditya G**, Saha GK. 2009. Habitat complexity reduces vulnerability of preys: an experimental analysis using aquatic insect predators and dipteran immatures. Journal of Asia Pacific Entomology, 12: 233–239. doi: 10.1016/j.aspen.2009.06.00.
30. Saha N, **Aditya G**, Saha GK, Hampton SE. 2010. Opportunistic foraging by heteropteran mosquito predators. Aquatic Ecology, 44: 167–176. doi: 10.1007/s 10452-009-9250-y [Impact factor 1.14].
31. **Aditya G,** Pal S, Saha GK. 2010. An assessment of fish species assemblages in rice fields in West Bengal, India: implications for management. Journal of Applied Ichthyology, 26: 535–539. doi: 10.1111/j.1439-0426.2010.01460. [Impact factor 1.4].
32. Banerjee S, **Aditya G**, Saha N, Saha GK. 2010. An assessment of macroinvertebrate assemblages in mosquito larval habitats - space and diversity relationship. Environmental Monitoring and Assessment, 168: 597–611. doi: 10.1007/s10661-009-1137-9 (online first, since 2009 September) [Impact factor 1.4].
33. Manna B, **Aditya G**, Banerjee S. 2011. Habitat heterogeneity and prey selection of *Aplocheilus panchax*: an indigenous larvivorous fish. Journal of Vector Borne Diseases. 48(3): 144–149. [Impact factor 1.16].
34. Roy I, **Aditya G**, Gupta SK, Saha GK. 2011. Life history features of the mite *Petrobia harti* (Acari: Tetranychidae) associated with a medicinal plant. International Journal of Acarology. 37 (5): 361-366. [Impact factor 0.4].
35. Roy I, **Aditya G**, Saha GK. 2011. Preliminary assessment of selected botanicals in the control of *Tetranychus neocaledonicus* André (Acari: Tetranychidae). Proceedings of the Zoological Society, Kolkata, 64(2): 124-127. [PZOS-S-10-00056] [Impact factor NA]

36. Nandi S, **Aditya G**, Saha GK. 2011. Life history study of *Chironomus striatipennis* Kieffer (Diptera: Chironomidae). Oriental Insects, 45(2-3): 186–193. [Impact factor 0.44]
37. Roy I, **Aditya G**, Saha GK Gupta SK. 2011.An annotated report of mites infesting medicinal plants of West Bengal, India. Journal of the Bombay Natural History Society, 108 (2): 142–150.[Impact factor NA]
38. Nandi S, **Aditya G**, Saha GK. 2012. Nutrient condition and chironomid assemblages in Kolkata, India: assessment for biomonitoring and ecological management. Journal of Limnology, 71(2): 320-329. doi: 10.4081/jlimnol. 2012.e34 [Impact factor 1.4]
39. Saha N, **Aditya G**, Banerjee S, Saha GK. 2012. Predation potential of odonates on mosquito larvae: implications for biological control. Biological Control, 63: 1–8. [Impact factor 2.09]
40. Mukherjee S, Santra V, **Aditya G.** 2012. Reticulated Python, *Python reticulatus* (Schneider, 1801) in Hooghly, West Bengal, India. Proceedings of the Zoological Society, 65(2): 114–117. doi: 10.1007/s12595-012-0032-5 [Impact factor NA]
41. **Aditya G**, Pal S, Saha N, Saha GK. 2012. Efficacy of indigenous larvivorous fishes against *Culex quinquefasciatus* in the presence of alternative prey: implications for biological control. Journal of Vector Borne Diseases, 49(4): 217–225. [Impact factor 1.15]
42. Guha A, **Aditya G**, Saha SK. 2013. Correlation between body size and fecundity in fish louse *Argulus bengalensis* Ramakrishna, 1951 (Crustacea: Branchiura). Journal of Parasitic Diseases, 37(1): 118–124. [Impact factor NA]
43. Banerjee S, **Aditya G**, Saha GK. 2013. Household disposables as breeding habitats of dengue vectors: linking wastes with public health. Waste Management 33 (12): 233–239. [Impact factor 2.45]
44. **Aditya G**, Saha GK. 2013. Estimate of survivorship of immature stages of the mosquito *Armigeres subalbatus* (Coquillett, 1898). Invertebrate Reproduction and Development, 57: 200-207. [Impact factor 0.6]
45. Banerjee S, **Aditya G**, Saha GK. 2013. Pupal productivity of dengue vectors in Kolkata, India: implications for vector management. The Indian Journal of Medical Research, 137: 549–559. [Impact Factor:2.08]
46. Guha A, **Aditya G**, Saha SK. 2013. Survivorship and fecundity of *Argulus bengalensis* (Crustacea; Branchiura) under laboratory conditions. Invertebrate Reproduction & Development, 57(4): 301–308. doi: 10.1080/07924259.2013.793217 [Impact factor 0.6]
47. Hossain A, **Aditya G.** 2013. Cadmium biosorption potential of shell dust of the fresh water invasive snail *Physa acuta*. Journal of Environmental Chemical Engineering, 1: 574–580. http://dx.doi.org/10.1016/j.jece.2013.06.030 [Impact factor NA]
48. Saha N, **Aditya G**, Saha GK. 2014. Prey preference of aquatic insects: implications in regulation of wetland mosquitoes. Medical and Veterinary Entomology. 28(1): 1–9. doi: 10.1111/mve.12003 [Impact factor 2.33]
49. Nandi S, **Aditya G**, Saha GK. 2014. An appraisal of life history features of *Kiefferulus calligaster* (Kieffer, 1911) (Diptera: Chironomidae) from wetlands of Kolkata, India. Proceedings of Zoological Society, 67 (1): 72–78. doi: 10.1007/s12595-013-0061-8 [Impact factor NA]
50. Pal G, **Aditya G**, Hazra N. 2014. Consequences of physical disturbance by tadpoles and snails on chironomid larvae. Article ID 850782, 9 pages. http://dx.doi.org/10.1155/2014/850782. The Scientific World Journal [Impact Factor: 1.12]
51. Nandi S, **Aditya G**, Chowdhury I, Das A, Saha GK. 2014. Chironomid midges as allergens: evidence from two species from West Bengal, Kolkata, India. The Indian Journal of Medical Research, 139(6): 921–926. [Impact Factor:2.08]
52. Brahma S, **Aditya G**, Sharma D, Saha N, Kundu M, Saha GK. 2014. Influence of density on intraguild predation of aquatic Hemiptera (Heteroptera): implications in biological control of mosquito. Journal of Entomological and Acarological Research, 46(1): 6–12.
53. Sadhu S, Ghosh PK, **Aditya G**, Maiti TK. 2014. Optimization and strain improvement by mutation for enhanced cellulase production by *Bacillus* sp. (MTCC 10046) isolated from cowdung. Journal of King Saud University –Science, doi: 10.1016/j.jksus.2014.06.001
54. Kundu M, Sharma D, Brahma S, Pramanik S, Saha GK, **Aditya G**. 2014. Insect predators of mosquitoes of rice fields: portrayal of indirect interactions with alternative prey. Journal of Entomology and Zoology Studies, 2(5): 97–103.
55. Mohan S, Banerjee S, Mohanty SP, Saha GK, **Aditya G.** 2014. Assessment of pupal productivity of *Aedes* and co-occurring mosquitoes in Kolkata, India. Southeast Asian Journal of Tropical Medicine and Public Health, 45(6): 1279–1291.
56. Hossain A, Bhattacharyya SR, **Aditya G.** 2015. Biosorption of cadmium by waste shell dust of fresh water mussel *Lamellidens marginalis*: implications for metal bioremediation. ACS Sustainable Chemistry & Engineering 3(1): 1–8.

57. Hossain A, **Aditya G**. 2015. Biosorption of cadmium from aqueous solution by shell dust of the fresh water snail *Melanoides tuberculata*. Bioremediation Journal, 19(1): 80–91.
58. Banerjee S, **Aditya G**, Saha GK. 2015. Household wastes as larval habitats of dengue vectors: comparison between urban and rural areas of Kolkata, India. PloS One 10(10): e0138082.
59. Hossain A, Bhattacharyya SR, **Aditya G.** 2015. Biosorption of cadmium from aqueous solution by shell dust of the freshwater snail *Lymnaea luteola*. Environmental Technology & Innovation, 4: 82–91.
60. Brahma S, Sharma D, Kundu M, Saha N, **Aditya G,** Saha GK. 2015. Mosquito prey vulnerability in intraguild predation between *Ranatra filiformis* and *Anisops bouvieri*: Implications in Biological Control. Proceedings of the Zoological Society, 68(1): 36-44.
61. Brahma S , Sharma D, Kundu M , Saha N , Saha GK, **Aditya G.** 2015. Intraguild predation in Heteroptera: effects of density and predator identity on dipteran prey. Neotropical Entomology, 44(4): 374–384.
62. Mukherjee S, Banerjee S, Saha GK, Basu P, **Aditya G**. 2015. Butterfly diversity in Kolkata, India: An appraisal for conservation management. Journal of Asia-Pacific Biodiversity 8(3): 210–221.
63. Mukherjee S, Banerjee S, Basu P, Saha GK. **Aditya G.** 2015**.** *Lantana camara* and butterfly abundance in an urban landscape: benefits for conservation or species invasion? Ekológia (Bratislava), 34(4): 309 – 329.
64. Banerjee S, Mohan S, Saha N, Mohanty SP, Saha GK, **Aditya G.** 2015. Pupal productivity & nutrient reserves of *Aedes* mosquitoes breeding in sewage drains & other habitats of Kolkata, India: implications for habitat expansion & vector management. The Indian Journal of Medical Research, 142(Suppl 1): S87–S94. doi: 10.4103/0971-5916.176632
65. Mukherjee S, Nath P, **Aditya G.** 2015.Observations on Yellow-Wattled Lapwing, *Vanellus malabaricus* (Boddaert, 1783) in South West Bengal, India. Proceedings of the Zoological Society, 68(2): 222–226.
66. Hossain A, **Aditya G**. 2016. Avian diversity in agricultural landscape: records from Burdwan, West Bengal, India. Proceedings of the Zoological Society, 69(1): 38–51.
67. Mukherjee S, **Aditya G,** Basu P, Saha GK. 2016**.** Butterfly diversity in Kolkata metropolis: a synoptic checklist. Check List, 12(2): 1858. doi: http://dx.doi.org/10.15560/12.2.1858.
68. Sharma D, Brahma S, Saha N, Kundu M, GK Saha, **Aditya G**. 2016. Association of larval Odonata and hydrophytes in wetlands of West Bengal, India: implications for conservation and monitoring. Journal of Entomology and Zoology Studies, 4(3): 35–39.
69. Roy M, Pramanik S, Chatterjee S, **Aditya G**. 2016. Observations on the pupal productivity of *Culex tritaeniorhynchus* in rice fields of West Bengal, India: implications for vector management (Diptera: Culicidae). Fragmenta Entomologica, 48(1): 69–76.
70. Saha C, Pramanik S, Chakraborty J, Parveen S, **Aditya G**. 2016. Abundance and body size of the invasive snail *Physa acuta* occurring in Burdwan, West Bengal, India. Journal of Entomology and Zoology Studies, 4(4): 490–497.
71. **Aditya G**, Hazra N. 2016. Occurrence of Sri Lankan bullfrog, *Uperodon taprobanicus* (Parker, 1934) (Amphibia: Anura: Microhylidae) in Burdwan, West Bengal, India. International Journal of Zoology Studies, 1(5): 42 – 44.
72. Saha C, Pramanik S, Chakraborty J, Parveen S, **Aditya G**. 2016. Observations on the abundance and fecundity of the invasive snail *P. acuta* in West Bengal, India: implications for management. Ecology, Environment and Conservation, 22(Sep Suppl): S333–S338.
73. Roy M, Pramanik S, Chattterjee S, **Aditya G**. 2016. Productivity of *Culex tritaeniorhynchus* in rice fields of West Bengal, India: correlates of immature and adult features. Vector Biology Journal, 1(3): 1–10.
74. Manna B, Banerjee S, **Aditya G**. 2016. Population surveillance of *Poecilia reticulata* in Kolkata, India: Implications in mosquito regulation. Vector Biology Journal, 1(3): 1–9.
75. Pramanik S, Banerjee S, Banerjee S, Saha G, **Aditya G**. 2016. Observations on the predatory potential of *Lutzia fuscana* on *Aedes aegypti l*arvae: implications for biological control (Diptera: Culicidae). Fragmenta Entomologica, 48(2): 137–142.
76. Saha C, Parveen S, Chakraborty J, Pramanik S, **Aditya G**. 2017. Life table estimates of the invasive snail *Physa acuta* Draparnaud, 1805, occurring in India, Ekologia Bratislava 36(1): 60-68.
77. Mohan S, Banerjee S, Pramanik S, Banerjee S, Saha G, **Aditya G**. 2017. Comparative account of energy reserves in four co-occurring mosquito species in Kolkata, India (Diptera: Culicidae). Polish Journal of Entomology, 86: 49–67.
78. Saha D, Pal S, Rahaman H, Nandy G, Chakraborty A, **Aditya G**. 2017a. Exploitation pattern of small indigenous fish species: observations from fish markets of rural West Bengal, India. AACL Bioflux, 10(2): 381–390.
79. Banerjee S, Pramanik S, Banerjee S, Saha G, **Aditya G**. 2017. Effects of density dependent larval competition on the life history traits of *Aedes aegypti* and *Aedes albopictus* (Diptera: Culicidae). Fragmenta entomologica, 49(1): 97–107.

80. Banerjee S, Mohan S, Pramanik S, Banerjee S, Saha G, **Aditya G**. 2017. Effect of food types on competitive interaction between *Aedes aegypti* (LINNAEUS, 1762) and *Ae. albopictus* (SKUSE, 1894) (Diptera, Culicidae): a proximate level appraisal. Polish Journal of Entomology, 86: 99–118.
81. Basu P, **Aditya G**, Sanyal A. 2017. Community structure of Coleoptera in Bethuadahari Wildlife Sanctuary, West Bengal, India. Check List, 13(3): 2154.
82. Saha D, Pal S, Nandy G, Rahaman H, Chakraborty A, **Aditya G**. 2017. Exploitation pattern of mola carplet, *Amblypharyngodon mola* (Hamilton, 1822), a small indigenous fish: observations from fish markets of rural West Bengal, India. AACL Bioflux, 10(4): 779–786.
83. Kar S, Das P , Das U, Bimola M, Kar D, **Aditya G**. 2017. Culture of the zooplankton as fish food: observations on three freshwater species from Assam, India. AACL Bioflux, 10(5): 1210–1220.
84. Pramanik S, Banerjee S, Saha G, **Aditya G**. 2017. Observations on the predation of mosquito in presence of chironomid prey by *Toxorhynchites splendens* Wiedemann, 1898 (Diptera: Culicidae): implications in biological control of mosquito. Ecology, Environment and Conservation, 23(4): 280–285.
85. Singha Roy S, **Aditya G**, Ghosh S. 2018. Impact of density and sex-dependent larval competition on selected life history traits of *Drosophila melanogaster* (Diptera: Drosophilidae). The Canadian Entomologist, 150(01): 87–99.
86. Das P, Mukherjee S, Kar S, Das U, Kar D, **Aditya G**. 2018. Zooplankton as dietary component of selected freshwater fish: network analysis based on gut content. AACL Bioflux, 11(1): 232–244.
87. **Aditya G**, Hossain A. 2018. Valorization of aquaculture waste in removal of cadmium from aqueous solution: optimization by kinetics and ANN analysis. Applied Water Science, 8: 1–14.
88. Saha D, Pal S, Mukherjee S, Nandy G, Chakraborty A, Rahaman SH, **Aditya G**. 2018. Abundance and biomass of assorted small indigenous fish species: Observations from rural fish markets of West Bengal, India. Aquaculture and Fisheries. 3(3): 129 – 134.
89. Kar S, Das P, Das U, Bimola M, Kar D, **Aditya G**. 2018. Correspondance of zooplankton assemblage and water quality in wetlands of Cachar, Assam, India: Implications for environmental management. Limnological review, 18(1): 9–19.
90. Mukherjee S, Banerjee S, Basu P, Saha GK, **Aditya G**. 2018. Butterfly-plant network in urban landscape: Implication for conservation and urban greening. Acta Oecologica, 92: 16–25.
91. Bimola M, Das U, Das P, Kar S, Singh OS, Kar D, **Aditya G**. 2018. Rotifer species assemblages in three freshwater habitats of Manipur, India. Proceedings of the Zoological Society, 71: 248–256. doi: 10.1007/s12595-016-0201-z
92. Saha C, Pramanik S, Chakraborty J, Parveen S, **Aditya G**. 2019. Life history features of the invasive snail *Physa acuta* occurring in Kolkata, India. National Academy Science Letters, 42: 95–98. doi: 10.1007/s40009-018-0709-z
93. Roy M, Kundu M, Chatterjee S, Aditya G. 2019. Distribution of mosquito larvae in rice field habitats: a spatial scale analysis in semi-field condition. European Journal of Ecology, 5(1): 38-48. doi:10.2478/eje-2019-0006
94. Mukherjee S, Das RP, Banerjee S, Basu P, Saha GK, **Aditya G**. 2019. Correspondence of butterfly and host plant diversity: foundation for habitat restoration and conservation. European Journal of Ecology, 5(1): 49-66. doi:10.2478/eje-2019-0007
95. Nandy G, Barman H, Pramanik S, Paul K, Kundu D, **Aditya G.** 2019. Observations on the predation of the snail *Huttonella bicolor* on the snail *Allopeas gracile*. Zoology and Ecology, 29(2): 131–136. https://doi.org/10.35513/21658005.2019.2.9
96. Parveen S, Karmakar R, Paul P, Barman H, Banerjee S, **Aditya G**. 2019. Shell morphometry and fecundity of the Exotic snail *Planorbarius corneus* (Linnaeus, 1758) (Gastropoda: Planorbidae) in Kolkata, India. Uttar Pradesh Journal of Zoology, 40(4): 236–244.
97. Mukherjee S, Das RP, Banerjee S, Basu P, Saha GK, **Aditya G**. 2020. First report on blue mold parasitism on butterfly (*Papilio polytes*) egg. National Academy Science Letters, 43: 419–421. https://doi.org/10.1007/s40009-020-00904-4
98. Mukherjee S, Basu P, Saha GK, **Aditya G**. 2020. Food dependent changes in the life history traits of *Catopsilia pyranthe* (Lepidoptera: Pieridae). Invertebrate Reproduction and Development, 64(4): 262-267. doi: 10.1080/07924259.2020.1769747
99. Chakraborty A, Parveen S, Chanda D, **Aditya G.** 2020. An insight into the structure, composition and hardness of a biological material: the shell of freshwater mussels. RSC Advances, 10: 29543–29554. doi: 10.1039/dora04271d
100. Paul P, Karmakar R, **Aditya G**. 2020. Choosing exotic over the familiar taste: habitat-specific preferences of a malacophagous leech for freshwater snails as prey. European Journal of Ecology, 6(1): 121-136.

101. Das P, Kar S, Das U, Bimola M, Kar D, **Aditya G**. 2020. Day time variations of zooplankton species composition: observations from the wetlands of Assam, India. Acta Limnologica Brasiliensia, 32 e10. doi: 10.1590/S2179-975X1418
102. Parveen S, Chakraborty A, Chanda DK, Pramanik S, Barik A, Aditya G. 2020. Microstructure analysis and chemical and mechanical characterization of the shells of three freshwater snails. ACS Omega, 5(40): 25757–25771. doi: 10.1021/acsomega.0c03064
103. Chakraborty A, Das S, Ash A, Saha GK, Aditya G. 2020. Bird species assemblages in railway stations: variations along an urban-rural gradient. Ornis Hungarica, 28(2): 85–110. doi: 10.2478/orhu-2020-0019
104. Saha N, Kundu M, Saha GK, Aditya G. 2020. Alternative prey influence the predation of mosquito larvae by three water bug species (Heteroptera: Nepidae). Limnological Review, 20(4): 173–184.
105. Karmakar R, Paul P, De S, Mondal D, Aditya G. 2020. Temperature-dependent interaction between an invasive and a native freshwater gastropod: a competitive edge for the invader? Biological Letters (De Gruyter) (Accepted)

Book Chapters:

1. Saha N, Aditya G, Saha GK. 2011. Predatory behaviour of aquatic Hemiptera – a synoptic review. Book Chapter V.K. Gupta and Anil K. Verma, Daya Publishing House, 2011, xvi, 480 p, 16 col plates, figs, tables, ISBN : 97881703575 20
2. Brahma S, **Aditya G**, Saha GK. 2016. A narrative on the theories of and empirical evidences of intraguild predation. In: 'Wetland crisis and options.' Saha GK (ed.). Astral International Pvt. Ltd. New Delhi, India, pp 213 – 228.
3. Sarkar B, **Aditya G**, Saha GK. 2016. Water hyacinth: origin, mode of invasion and its role as ecosystem service provider. In: 'Wetland crisis and options.' Saha GK (ed.). Astral International Pvt. Ltd. New Delhi, India, pp 265 – 286.
4. Banerjee S, **Aditya G**, Saha GK. 2016. Wetlands as a potential mosquito larval habitat; boon or curse? In: 'Wetland crisis and options.' Saha GK (ed.). Astral International Pvt. Ltd. New Delhi, India, pp 287 – 304.
5. Chakraborty J, Rahaman SH, Saha D, **Aditya G**. 2016. Non-fish food resources of wetlands of West Bengal, India: prospective for food security. In: 'Wetland crisis and options.' Saha GK (ed.). Astral International Pvt. Ltd. New Delhi, India, pp 305 – 316.
6. Sharma D, **Aditya G**, Saha GK. 2016. Macroinvertebrtae and macrophyte assemblages in wetlands of North Bengal: benefit sharing. In: 'Wetland crisis and options.' Saha GK (ed.). Astral International Pvt. Ltd. New Delhi, India, pp 317 – 334.
7. Brahma S, Sharma D, Saha N, Saha GK, **Aditya G.** 2019. Intraguild predation hampers target prey regulation: evidence with water bugs as predator and mosquito as prey. In: 'Wings of life: genomics, biodiversity and life processes.' Sanyal AK (ed.). The Asiatic Society, Kolkata, India. 160 – 177pp. ISBN: 978-81-941437-4-1

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