CURRICULUM VITAE

G. M. SAIFUR RAHMAN, Ph D

Assistant Professor
Department of Zoology
Specialization on Medical Entomology
National University
Gazipur- 1704, Bangladesh
Date of Birth: June 11th, 1972
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EDUCATION

2012| UNIVERSITI SAINS MALAYSIA (PENANG, MALAYSIA): **PhD.** Applied Entomology

2003| DHAKA UNIVERSITY (BANGLADESH): **M. Phil.** Entomology
(Insect Ecology, Physiology, Pest Management, Advanced Economic and Medical Entomology)

1998| DHAKA UNIVERSITY (BANGLADESH): **M. Sc.** Entomology
(Medical & Veterinary Entomology, Ecology, Pest Management, Toxicology, Molecular Biology)

1995| DHAKA UNIVERSITY (BANGLADESH): **B. Sc. (Honors)**. Zoology
(Invertebrate and Vertebrate Zoology, Physiology, Ecology, Parasitology, Biochemistry, Genetics)

THESIS TITLES

PhD |Recent ecological, physiological and protein profile of the dengue vector population in Penang Island, Malaysia.

M. Phil. |Studies on the effect of aquatic plants on mosquito larvae (*Culex quinquefasciatus*).

M. Sc. |Effects of different foliar extracts of neem (*Azadirachta indica* A. Juss) on the larvae of *Culex quinquefasciatus* Say (Diptera: Culicidae).

POSITION

07. 2014 – Present | NATIONAL UNIVERSITY (BANGLADESH): Assistant Professor
07. 2004 – 07. 2014| NATIONAL UNIVERSITY (BANGLADESH): Lecturer
07. 2008 – 04. 2012| UNIVERSITI SAINS MALAYSIA (MALAYSIA):PhD Fellow and Tutor
07. 2003 – 06. 2004| NORTHERN UNIVERSITY BANGLADESH: Lecturer (Health & Environment)
07. 2002 – 06. 2003| RIVERVIEW INT'L SCHOOL AND COLLEGE: In-Charge
07. 2001 – 06. 2002| DHAKA CITY CORPORATION: Entomologist
01. 2001 – 06. 2001| ICDDRB, MOHAKHALI, BANGLADESH: Research Associate
01. 1998 – 12. 2000| DHAKA UNIVERSITY (BANGLADESH): Research Officer

LANGUAGE SKILLS

BANGLA
ENGLISH
BAHASA MALAYSIA

NB: Bengali is the native language and English is the medium of instructions for learning and teaching

ACADEMIC RECOGNITION

AWARDS

2010| UNIVERSITI SAINS MALAYSIA (MALAYSIA) – Best Publication Award
2009| UNIVERSITI SAINS MALAYSIA (MALAYSIA) –**USM** PhD Fellowship
2008| UNIVERSITY GRANTS COMMISSION (UGC) FELLOWSHIP, BANGLADESH
1999| NATIONAL SCIENCE AND TECHNOLOGY (NST) - Fellowship for M. Phil. Program
1996| SAFEWAY PEST CONTROL, BANGLADESH – Master's Fellowship

REVIEWER DUTIES

2013| PLoS Neglected Tropical Diseases (USA)
2013| Journal of Vector Ecology (UK)
2014| African Journal of Internal Medicine (USA)

MEMBERSHIP

2016| ENTOMOLOGICAL SOCIETY OF BANGLADESH
2008| BANGLADESH VECTOR CONTROL ASSOCIATION
2000| ZOOLOGICAL SOCIETY OF BANGLADESH

TECHNICAL SERVICES

- **Insecticide Application:** Formulation and dose determination of insecticides at the field level of different business organizations.
- **Quality Control:** Conducting bioassay tests for Mosquito Coils, Vaporizers and Aerosol Sprays for Advance Chemical Industries (ACI) for the period of 01. 2001 – 06. 2008.

TECHNIQUES USED

- RT PCR and Cycle sequencing; Plasmid isolation and restriction enzyme analysis
- DNA extraction from animals, plants and microbial samples; RNA extraction from virus
- Cell culture and viral & bacterial inoculation
- Gel preparation and electrophoresis for Protein and DNA study
- PCR technique for cDNA and DNA study
- Operating Haemocytometer, Spectrophotometer, Electroplate Reader
- Operating Soxhlet's apparatus, HPLC, Bioassay of insects for insecticidal resistance checking
- Blood staining for blood cells counting, Stool culture and parasites identification
- Microbial and fungal cultures, Microbial Photograph, etc.
- Sound using of essential computer programs i.e., Microsoft Excel, MS Access, Power-Point, SPSS, Mini Tab, SYSTAT, End Note, Gimp, Adobe Photoshop, JebRef etc.

PUBLICATIONS

1. **Saifur**, **R.G.M.,** H**.** Dieng, A. Abu Hassan, U. A. Manaf, and M.R. Che Salmah. 2017. Distinctions in proteomics among developmental stages of dengue vector (*Aedes albopictus)* mosquitoes. Accepted in the *Bangladesh Journal of Zoology* 45(2).
2. **Saifur**, **R.G.M.** 2017. Under constructing manholes are important urban breeding site of *Culex* mosquitoes in Gazipur City Corporation (GCC), Bangladesh. *Bangladesh Journal of Zoology* 45: 139-148.

3. **Saifur**, **R.G.M.,** Iftekhar I, and Balal H. 2016. First Record of Dengue Vector *Aedes aegypti* in Gazipur City Corporation, Bangladesh. Conference Proceedings of the 6th Int'l Conference on Agriculture, Environment and Biological Sciences (ICAEBS'16); 131-135pp..
4. **Saifur**, **R.G.M.,** H**.** Dieng, A. Abu Hassan, U. A. Manaf, and M.R. Che Salmah. 2014. Proteomic Profile During Embryonic Development of Dengue Vector *Aedes albopictus* Mosquito. *Biosciences Biotechnology Research Asia* 11(3):1227-1234.
5. **Saifur**, **R.G.M.,** A. Abu Hassan, Dieng H., M.R. Che Salmah, A. Ramli Saad and T. Satho. 2013. Temporal and Spatial Distribution of Dengue Vector Mosquitoes and their Habitat Patterns in Penang Island, Malaysia. *Journal of the American Mosquito Control Association* 29(1):33-43.
6. **Saifur**, **R.G.M.,** A. Abu Hassan, Dieng H., M.R. Che Salmah, T. Satho, A. Ramli Saad, and R. E. M. Vargas. 2012. Update on the temporal and spatial patterns of abundance of dengue vectors in Penang Island, Malaysia**.** *Journal of the American Mosquito Control Association* 28(2):84–92.
7. **Saifur**, **R.G.M.,** Dieng H., A. Abu Hassan, M.R. Che Salmah, T. Satho, F. Miake, and A. Hamdan. 2012. Changing domesticity of *Aedes aegypti* in northern peninsular Malaysia: *reproductive consequences and potential epidemiological implications. PLoS ONE* 7(2): e30919. doi:10.1371/journal.pone.0030919.
8. Dieng H., **R.G.M. Saifur**, A. Abu Hassan, M.R. Che Salmah, M. Boots, T. Satho, Z. Jaal, and S. Abu Bakar. 2012. Unusual developing sites of dengue vectors and potential epidemiological implications. Asian Pacific Journal of Tropical Biomedicine **2:** 228-232.
9. Dieng H, **R.G.M. Saifur,** A. Abu Hassan, M.R. Che Salmah, T. Satho, F. Miake, M. Boots, and S. Abu Bakar. 2011. Discarded cigarette butts attract females and kill the progeny of *Aedes albopictus*. *Journal of the American Mosquito Control Association* 27:263-271. IF = 1.066
10. Dieng H, **R.G.M. Saifur**, A.Abu Hassan, M.R. Che Salmah, Boots M, et al. 2011. The effects of simulated rainfall on immature population dynamics of *Aedes albopictus* and female oviposition. *International Journal of Biometeorology*, DOI 10.1007/s00484-011-0402-0. IF = 1.8.
11. Hadzri Abdullah M, **Hamady Dieng,** Rahman GM. Saifur, Abu Hassan Ahmad (2011). Cryptic breeding habitats of dengue vectors in northern peninsular Malaysia and its epidemiological hints. Proceedings; Seminar Kebangsaan Technologi Makmal 10: 67-78.
12. Abu Hassan Ahmad, **Dieng H**, Saifur RGM (2010). Domestication process and the gonotrophic performance of the dengue vector Aedes albopictus: epidemiological implications. The 76th Annual Meeting of the Mosquito Control Association (March 28 – April 1), Lexington Center, Kentucky.
13. **Hamady Dieng**, Rahman GM. Saifur, Ahmad Abu Hassan, MR. Che Salmah, Michael Boots, Tomomitsu Satho, Zairi, Jaal, and Sazaly Abu Bakar (2010). Indoor-Breeding of *Aedes albopictus* in Northern Peninsular Malaysia and its potential epidemiological implications. PLoS ONE 5: e11790. DOI:10.1371/journal.pone.0011790.
14. Rahman G.M. Saifur**, Hamady Dieng**, A. Hassan Ahmad, Tomomitsu Satho, Fumio Miake, Michael Boots, and Sazaly AbuBakar (2010). The effects of moisture on the oviposition behavior and larval eclosion of *Aedes albopictus*: *implications for trapping and transgenesis technologies.* Journal of the American Mosquito Control Association 26(4):373-380. 2010. doi: 10.2987/10-6003.1.
15. **Saifur, R.G.M.**, M.I. Hossain, S.K.N. Islam, M. Ameen. 2008. The effect of aquatic plants on oviposition and immature stages of *Culex quinquefasciatus* Say (Diptera: Culicidae). *Bangladesh J Zool* **36:**19-26.
16. Ahmed T.U., K. Bashar, **R.G.M. Saifur**. M. Shamsuzzaman, S. Samajpati, S. Samima, M.I. Hossain, N.N. Banu, M.S. Rahman. 2007. Some socio-demographic factors related to dengue outbreak in Dhaka City, Bangladesh. *Bangladesh J Zool* **35:**213-222.
17. Ahmed TU, **R.G.M. Saifur**, K. Bashar, M. Shamsuzzaman, S. Samajpati, S. Samima, M.I. Hossain, N.N. Banu, M.S. Rahman. 2007. Seasonal prevalence of dengue vector mosquitoes in Dhaka City, Bangladesh. *Bangladesh J Zool* **35:**205-212.

18. Hossain M.I., Y. Wagatsuma, M.A. Chowdhury, **R.G.M. Saifur**. 2006. Susceptibility of *Culex quinquefasciatus* and *Aedes aegypti* from Bangladesh to some synthetic insecticides. *Bangladesh J Zool* **34:**163-171.

19. Saifur, R.G.M., M.I. Hossain, S.K.N. Islam, M. Ameen. 2006. Efficacy of aquatic plant extracts on the larvae of *Culex quinquefasciatus* Say (Diptera:Culicidae). *Bangladesh J Zool* **34:**1-5.

20. Hossain M.I., **R.G.M. Saifur**, M. Ameen, S.K.N. Islam. 2001. Effects of different foliar extracts of neem (*Azadirachta indica* A. Juss) on the larvae of *Culex quinquefasciatus* Say (Diptera: Culicidae). *Dhaka Univ J Biol Sci* **10:**121-127.

CONFERENCES / SEMINARS

12. 2016| VENUE: Kuala Lumpur, Malaysia- The 6th Int'l Conference on Agriculture, Environment and Biological Sciences (ICAEBS'16); **Saifur RGM**, Iftekhar I, and Balal H. – First Record of Dengue Vector *Aedes aegypti* in Gazipur City Corporation, Bangladesh. 131-135pp.

02. 2012| VENUE: Rajshahi University, Rajshahi, Bangladesh – South Asian Regional Conference; Saifur RGM, A. Abu Hassan. Conservation of nature reduces the threat of newly emerging vector borne diseases. ISBN: 978-984-33-4968-2 pg 85.

11. 2011| VENUE: Hotel Vistana, Penang, Malaysia – USM Fellowship holders Symposium; *Saifur RGM, A. Abu Hassan*. The contribution of key premises and key containers in the recent dengue vector population in Penang Island, Malaysia. 2: 173pg.

11. 2010| VENUE: Universiti Sains Malaysia – The 4th Bio-Colloquium; *Saifur RGM, A. Abu Hassan*. Ecological and Molecular traits of dengue vector *Aedes* mosquitoes in Penang Island.

11. 2010| VENUE: Universiti Sains Malaysia – The 4th Bio-Colloquium; *Saifur RGM, A. Abu Hassan*. Ecological and Molecular traits of dengue vector *Aedes* mosquitoes in Penang Island.

10. 2010| VENUE: Prince of Songkla University, Songkla,Thailand; The 7th IMT-GT Conference; *Saifur RGM, A. Abu Hassan and Hamady Dieng.* The effects of moisture on the oviposition behaviour and larval eclosion of *Aedes albopictus*: implications for colonization and transgenesis.

10. 2010| VENUE: Prince of Songkla University, Songkla,Thailand; BioScience for the Future 2010; *Hamady Dieng, Saifur RGM, A. Abu Hassan.* Indoor-Breeding of *Aedes albopictus* in Northern Peninsular Malaysia and its potential epidemiological implications.

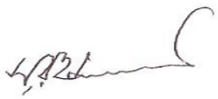
05. 2010| VENUE: Universiti Sains Malaysia – Entomology Unit of the School of Biological Sciences; *Hamady Dieng, Rahman GM. Saifur, Ahmad Abu Hassan et al. Rainfall and population loss in Aedes albopictus.*

05. 2010| VENUE: Universiti Sains Malaysia – Entomology Unit of the School of Biological Sciences; *Hamady Dieng. Domestication of Aedes albopictus in Northern Peninsular Malaysia and its potential epidemiological implications.*

05. 2009| VENUE: Universiti Sains Malaysia – The 2nd Bio-Colloquium; *Saifur RGM, A. Abu Hassan*. The bionomics and population management of dengue vector *Aedes* mosquitoes in Penang Island.

11. 2001| VENUE: Dhaka University, Dhaka, Bangladesh – 15th Annual conference of the Zoological Society of Bangladesh; *Saifur RGM, M. Ameen and MI. Hossain.* The effect of aquatic plants on *Culex quinquefasciatus*.

11. 2001| VENUE: Dhaka University, Dhaka, Bangladesh – 15th Annual conference of the Zoological Society of Bangladesh; *Saifur RGM, M. Ameen and MI. Hossain.* The effect of aquatic plant extracts on *Culex quinquefasciatus.*

Signature  **Date:** 21.01.2018