

DR. DEBASHIS ROY

Subject Matter Specialist (Scientist) – Plant Protection

“Dynamic instructor and thought leader focused on providing farmers with a rigorous and advance knowledge in the area of Integrated Pest & Disease Management, Apiculture and Pesticides Application along with the confidence, tools and skills in plant protection”



Date of Birth:

5th November, 1991

Sex:

Male

Residential address:

B-7/288, Naba Anandadhara Co-operative Housing Society, P.O. – Kalyani, Dist. – Nadia, PIN – 741235, West Bengal, India

Official address:

Dhaanya Ganga Krishi Vigyan Kendra - RKMVERI, Ramakrishna Mission Ashrama, Sargachhi, Murshidabad, 742408, West Bengal, India

Nationality:

Indian

Religion:

Hindu

Blood group:

B⁺

Affiliation:

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 ORCID
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 Publons
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 Google Scholar

 ResearchGate

Educational qualifications:

- 2016-2022 **Doctor of Philosophy in Agricultural Entomology (8.93 OGPA)**
Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India
- 2014 - 2016 **Master of Science in Agricultural Entomology (9.01 OGPA)**
Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India
- 2010 - 2014 **Bachelor of Science in Agriculture (8.50 OGPA)**
Bidhan Chandra Krishi Viswavidyalaya, West Bengal, India
- 2010 **All India Senior School Certificate Examination (85.60%)**
Jawahar Navodaya Vidyalaya, North 24 Parganas, West Bengal, India under CBSE curriculum
Class 12th (English, Bengali, Physics, Chemistry, Biology, Physical Education)
- 2008 **All India Secondary School Examination (81.60%)**
Jawahar Navodaya Vidyalaya, Nadia, West Bengal, India under CBSE curriculum
Class 10th (English, Bengali, Mathematics, Science, Social Science)
- 2018 **ASRB – National Eligibility Test (NET) – Lectureship**
Conducted by Indian Council of Agricultural Research (ICAR), New Delhi, India

Research specialization:

Crop pest management, Toxicology of pesticides, Insect physiology, Insecticide resistance, Plant resistance, Insecticide biochemistry, Pollinators, Ecotoxicology.

Publications:

Research paper: 25 nos. including National & International publications (Top journals: Journal of Asia-Pacific Entomology (Elsevier); Phytoparasitica (Springer); International Journal of Tropical Insect Science (Springer); Journal of Environmental Biology; Indian Journal of Entomology; British Journal of Applied Science and Technology; Asian Journal of Biology.

Review paper: 1 (One) International publication (British Journal of Applied Science and Technology)

Book chapter: 2 (Two) [ISBN: [978-93-86200-81-5](#)]

(“Mite problems in vegetable crops: Strategies to combat by eco-friendly methods” - Satish Serial Publishing House, New Delhi, India)

Book: 1 (One) [ISBN: [978-620-2-06662-4](#)]

(“Module based pest management of okra by positioning cluster bean” - LAP Lambert Academic Publishing, Mauritius)

Popular Article: 2 (Two)

Seminar/Symposium/Conference attended:

International: 4 (Four) & National: 9 (Nine)

5 (Five) “Best Paper Awards” for research article presentation (2 in International seminar & conference, and 3 in National seminar & symposium)

Professional carrier:

July 2019 – Continuing **Subject Matter Specialist (Scientist) in Plant Protection**
Dhaanyaganga Krishi Vigyan Kendra, Ramakrishna Mission
Vivekananda Educational & Research Institute, Ramakrishna
Mission Ashrama, Sargachhi, Murshidabad ICAR – ATARI Kolkata
RKMVERI, Belur Math,
Howrah

Award/Recognition:

National	2022	Young Entomologist Award	Agro-Environmental Development Society, Uttar Pradesh, India
	2017	INSPIRE Fellowship for the Doctoral degree (Ph.D.)	Department of Science and Technology, New Delhi, Govt. of India
State/University	2016	University Gold Medal for standing first in M.Sc. (Ag.) course in the academic session 2014-2016	BCKV, West Bengal
Departmental	2016	Smt. Hemangini Dutta Memorial Book Prize for securing highest marks in Department of Agricultural Entomology, in the academic session 2014-2016	Department of Agricultural Entomology, BCKV, West Bengal
Private organization	2014	ASPEE Gold Medal for excellence in plant protection at the B.Sc. (Ag.) Hons. Examination, 2014	ASPEE Group (An ISO 9001: 2008 certified company)

Project undertaken:

November 2019 – October 2020 Co-Principal Investigator Module Based Management of Fall Armyworm in Maize (Grant no.: 237/1(7)/PD/ATMA/MSD/KVK-2019) Department of Agriculture, Government of West Bengal of Rs. 2,50,000/-

Technology transfer:

2020 Formulation of pest management package of Fall Armyworm (*Spodoptera frugiperda*) in maize from the point of entomological and ecotoxicological point. This technology was adapted by the Department of Agriculture, Ministry of Agriculture and Farmers Welfare, Government of West Bengal in the year 2021 Fall Armyworm (*Spodoptera frugiperda*)

2021 Integrated Management Tool of whitefly (*Bemisia tabaci*) using a combined formulation of *Moringa* Root Extract with flupyradifurone and afidopyropen. Whitefly (*Bemisia tabaci*)

Seminar/Symposium/Conference/Workshop organized:

10-13 January 2020 Co-Convener National Workshop on 'Integrated Farming System towards Nutritional Security and Sustainable Agriculture'

Additional proficiency & experience:

- Thorough knowledge on computer application in statistics.
- Provided training to the farmers through 'method demonstration' on Fruit fly awareness day in 2015 and 2016 at Kalyani, West Bengal.
- Senior Research Fellow (SRF) in a project sponsored by M/S. Dow Agro-Sciences for 1 (one) year.
- Worked as 'Certified Assessor of Agriculture' in Agricultural Skill Council of India (ASCI) under the scheme "Pradhan Mantri Kaushal Vikash Yojana" by Government of India for 2 (Two) years.
- Six (6) months experience on development and marketing of formulated products of *Trichoderma* and related bio-control agents as 'small scale industry'.
- Completed a six (6) months training programme on 'Rural Agricultural Work Experience' in 2014.
- Participated in the 'Special National Jamboree' organised by The Bharat Scouts & Guides at Rajarhat, Kolkata on 2nd to 7th January, 2007.
- Participated in '18th All India Agri-Sports Meet 2017-2018' (Badminton) at University of Agricultural Science, Bengaluru.
- Completed six (6) months course on National Service Scheme (NSS) conducted by BCKV, West Bengal.

Fellow member of scientific society:

- Entomological Society of India (ESI).

Program in mass media:

- (i) One live television program (*Krishi Darshan*) in DD Bangla channel on 'Natural Farming'.
- (ii) Two radio (All India Radio, Murshidabad) programmes on 'IPM of winter vegetables' and 'modern pest management techniques in rice'.

Recognised reviewer:

Regular reviewer of international journals (i) "Crop Protection" – Elsevier (ISSN: 0261-2194) (ii) "Pest Management Science" – Willey (ISSN: 1526-4998) (iii) "Environmental Science and Pollution Research" – Springer (ISSN: 1614-7499) (iv) International Journal of Tropical Insect Science – Springer (ISSN: 1742-7592).



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