BRIEF BIODATA

1.	**Name**	:	**DR. KUSAL ROY**
2.	Designation	:	Assistant Professor (Stage –II)
3.	Academic qualifications	:	M. Sc. in Agril. Entomology; Ph.D. in Agril. Entomology, Qualified ICAR NET in Agril. Entomology in 2001.
4.	Experience of Research, Teaching & Extension	:	>10 Years (served > 9 years in AICRP on Nematodes in BCKV as an Assistant Nematologist)
5.	Field of specialization	:	Nematology (Nematode Taxonomy, Biodiversity, Histopathology, Plant –Nematode Interaction, Integrated Nematode Disease Management, Bioefficacy of Nematicides), Bioefficacy of Insecticides, Insect Population Dynamics & IPM
6.	Official and Corresponding address	:	Department of Agricultural Entomology, F./ Agriculture, Bidhan Chandra Krishi Viswavidyalaya (BCKV), Mohanpur - 741 252, Dist. Nadia, West Bengal, India Email: roynema@gmail.com, roy_ento@rediffmail.com Voice: +91 9433307588
7.	Award/Fellowship /Recognition	:	National Merit Scholarship; University Merit Scholarship; Senior Research Fellowship of ICAR Network Project from 11.4.2011 to 15.3.2005. **Young Scientist Award-2013** by CWSS (http://cwssbckv.org/) on 6th November, 2014.
8.	No. of publications	:	Book-3; Chapter of Book-3; Workshop Proceedings-2; Training Manual–2; Practical Manual-1; Popular Article-6; Scientific Articles including Conference Abstracts/ Extended Summaries-71.
9.	Student(s) guided	:	Ph. D – 1 (Thesis Submitted) +2 (Working) ; M.Sc. (Ag.) - 5 (Awarded) + 2 (Working)
10.	Seminar /Symposium/ Workshop/Conference/ Training attended	:	Seminar- 9 (National), 4 (International), Workshop -5, Conference-5, Training Programme - 5
11.	Acted as an Academic Expert	:	West Bengal Council of Higher Secondary Examination, UBKV (WB), OUAT (Odisha), BAU (Kanke, Ranchi, Jharkhand), Andhra University (Vishakhapatnam, AP), RKMVU (WB)
12.	Ad-hoc projects (Completed/ongoing)	:	6 as PI (Sumitomo, FMC, Adama, GSP, New Agro Life Science); CO- PI in 2 projects (Corporate; RKVY "e-pest surveillance")
13.	Teaching Activities	:	**UG Courses:** Introductory Nematology- ENT-351 (1 +1), Non-Insect Pests and their Management- ENT-453 (0+1) **PG Courses:** Agricultural Nematology- ENT-510 (2+1) ; Nematode Taxonomy- ENT-522 (1+1) ; Advanced Nematological Techniques- ENT-610 (0+2), Advanced Nematode Management- ENT-612 (2+1), Advanced Nematode Taxonomy -ENT-613 (1+1)

14. Important activities and Significant Achievements **:**

- ξ **Weather based prediction model** to determine the outbreaks of yellow stem borer, *Scirpophaga incertulas* (Walk.) in rice in West Bengal.
- ξ **Community study of major plant parasitic nematodes** associated with vegetable crops in Eastern and North Eastern India.
- ξ Surveyed several crops in India for studying the **diversity of phyto-nematodes**.
- ξ Effect of abiotic factors on the population dynamics of phyto-nematodes.
- ξ Developed tactics to manage nematode pest's of pointed gourd, cucumber, cowpea, rice, jute, tomato, tuberose and banana.
- ξ Studied **histo-pathological changes in tuberose and gladiolus** due to *Aphelenchoides besseyi*, and in rice root due to *Meloidogyne graminicola*.
- ξ **Incidence of *Aphelenchoides besseyi*** on **onion** and **gladiolus** and ***Meloidogyne javanica* on *Swertia chirayita*** was reported for the **first time form India.**
- ξ **Assessment of avoidable yield losses** due to *Rotylenchulus reniformis* and *Meloidogyne incognita* infestation on vegetable and pulse crops.
- ξ Identification of **seven new weed hosts of reniform nematode**, *Rotylenchulus reniformis* from West Bengal.
- ξ **Screened** a large number of **varieties/germplasms** of various crops (rice, jute, okra, brinjal, tomato, chilli, mung, cowpea, chick pea and sunflower) for identification of **sources of resistance** against phytonematodes and insects.
- ξ Contributed information for the preparation of ***Economically Important Plant Parasitic Nematode Distribution – Atlas***.
- ξ Generated data on the level of efficacy of different insecticides & nematicides (old and new molecules), **standardized the doses of new insecticides & nematicides** molecules in different agricultural crops.

15. Member, Academic Societies **:** Nematological Society of India; Crop and Weed Science Society; Indian Meteorological Society

16. Additional Responsibility **:** **Editor**, **Journal of Crop and Weed**
Editorial Board Member- International Journal of Research in Agriculture and Forestry; Journal of Plant and Pest Science (Australia); Indian Journal of Plant and Soil
Reviewer - Journal of Applied Biology and Biotechnology