

# RESUME

**NAME: DR KUSAL ROY**

**DESIGNATION: Associate Professor**

**CONTACTS:**



**1. OFFICIAL ADDRESS FOR CORRESPONDENCE:**

Department of Agricultural Entomology  
Faculty of Agriculture  
Bidhan Chandra Krishi Viswavidyalaya (SAU)  
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PIN-741252

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**3. EMAIL: Institutional: roy.kusal@bckv.edu.in**

**Alternative: roynema@gmail.com**

**4. ORCID ID: <https://orcid.org/0000-0002-5179-2373>**

**5. GOOGLE SCHOLAR PROFILE:**

[https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&user=dqiWAFQAAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&user=dqiWAFQAAAAJ)

**6. RESEARCH GATE PROFILE: [https://www.researchgate.net/profile/Kusal\\_Roy](https://www.researchgate.net/profile/Kusal_Roy)**

**7. DATE OF BIRTH: 17<sup>th</sup> Dec 1976**

**8. DATE OF JOINING TO THE UNIVERSITY: 6<sup>th</sup> September 2006**

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**9. ACADEMIC PROFILE:**

LEVEL	NAME OF THE DEGREE	INSTITUTE	YEAR OF PASSING
Ph.D.	Agricultural Entomology	BCKV	2005
M. Sc.	Agricultural Entomology	BCKV	2000
B. Sc.	B. Sc. (Ag.) Hons	BCKV	1998

**10. EMPLOYMENT HISTORY:**

Position	From (Date)	To (Date)	Organization
Associate Professor	06.09.2019	Till date	BCKV
Assistant Professor -III	06.09.2015	05.09.2018	BCKV
Assistant Professor -II	06.09.2010	05.09.2015	BCKV
Assistant Professor -I	06.09.2006	05.09.2010	BCKV

**11. ADMINISTRATIVE POST(S)/RESPONSIBILITY (IES) (IF ANY):**

Sl. No.	NAME OF THE POST	DURATION
1.	In-Charge & DAESI Course Coordinator, FACC, BCKV	1 year 3 months
2.	Nodal Officer, NIRF Cell, BCKV	3 years 3 months

**12. AREA OF RESEARCH :**

- i) **Nematology:** Nematode Taxonomy, Biodiversity, Histopathology, Integrated Nematode Management, Bioefficacy of Nematicides
- ii) **Entomology:** Insect Biodiversity, Bioefficacy of Insecticides, Insect Population Dynamics & IPM, Taxonomy of Coccinellid Group

**13. COURSES ASSOCIATED WITH:**

LEVEL	NAME OF THE COURSES
UG	1. Pests of Crops and Storage and their Management (AEN-204) 2. Non-insect Pests of Crops and their Management [AEN(H)-210] 3. Non-insect Pests of Crops and their Management (EC-364) 4. Production of Bio-agents and Botanical Pesticides (ELP-451)
PG	1. Insect Taxonomy and Systematics (ENT-503) 2. Principles of Nematology (ENT-605) 3. Nematode Taxonomy (ENT-606) 4. Nematode Diseases and their Management (ENT-607)
Ph.D.	1. Advanced Nematode Management (ENT-705) 2. Advanced Nematological Techniques (ENT-754) 3. Advanced Nematode Taxonomy (ENT-802)

**14. NUMBER OF STUDENTS SUPERVISED: M. SC.: 17****Ph.D.: 5****15. PROJECT ACTIVITIES:**

Sl. No.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ CO-PI
1.	Survey, Surveillance, Monitoring and Advisory Services of Pests and Diseases of Major Crops in West Bengal – A Pilot Study	RKVY, Govt. of West Bengal	Completed	Co-PI
2.	Integrated Programme on Spices Development & Aromatic Plants	Directorate of Arecanut and Spices Development, NHM, Govt. of India	Completed	Co-PI
3.	Real Time Pest Surveillance on tomato	National Research Centre for Integrated Pest Management, ICAR	Completed	Co-PI
4.	Survey for Pests and Diseases of Medicinal Plants in West Bengal	NMPB, Ministry of Ayush, Govt. of India	Completed	Co-PI
5.	NAHEP Component 2 : Using AI Mobile App (NIBPP), Development and Management of Online Disease & Pest Image Database, on Various Crops	ICAR - IASRI, New Delhi	Completed	Co-PI
6.	Studies on bioefficacy of indoxacarb 14.5%+acetamiprid 7.7%SC against insect pest complex of tomato and okra	M/S Rallis India Ltd.	Completed	Co-PI
7.	Testing of a new Nematicide MCW-2 on tomato	M/S Makhteshim Agan India Ltd.	Completed	PI
8.	Long term (Nov. 2011-Oct. 2016) evaluation of Sumitomo plant protection chemicals against pests and diseases of different crops	M/S Sumitomo Chemicals Ltd.	Completed	PI
9.	Evaluation of FMC agricultural products against pests of crops	M/S- FMC India Pvt. Ltd.	Completed	PI

10.	Evaluation of a Nematicide MCW-2 on cucumber and okra	M/S- Makhteshim Agan India Ltd.)-	Completed	PI
11.	Evaluation of Triazophos 40%EC against pests of rice and soybean	M/S Agro Life Science Corporation	Completed	PI
12.	Evaluation of Clothianidin 50%WDG against Brown Plant Hopper in Paddy	M/S GSP Crop Science Pvt. Ltd.	Completed	PI
13.	Evaluation of Triazophos 40% EC against pests of rice and soybean	M/S Agro life Science Corporation	Completed	PI
14.	Evaluation of Clothianidin 50% WDG against brown plant hopper in paddy	M/S GSP Crop Science Pvt. Ltd.	Completed	PI
15.	Evaluation of Bio-nematon against root-knot nematode in tomato	M/S T. Stanes and Company Ltd.	Completed	PI
16.	Evaluation of Pyriproxyfen 10% + Bifenthrin 10% EC against insect pests and mite of chilli and brinjal	M/S Parijat Industries (India) Pvt. Ltd.	Completed	PI
17.	Evaluation of UPN 117 against root-knot nematode, <i>Meloidogyne</i> spp. in tomato	M/S UPL Ltd.	Completed	PI
18.	Evaluation of Pyriproxyfen 10% + Bifenthrin 10% EC against insect pests of green gram and soybean	M/S Parijat Industries (India) Pvt. Ltd.	Completed	PI
19.	Evaluation of IIC015 against insect-pests and mite in chilli	M/S Indofil Industries Ltd.	Completed	PI
20.	Evaluation of Chorraniliprole 625 g/L FS against yellow stem borer and leaf folder of rice	M/S E.I. DuPont India Private Limited	Completed	PI
21.	Studies on the harvest residue of Pyraxalt 20WG (Triflumezopyrim 20%WG) in <i>kharif</i> rice	M/S E.I. DuPont India Private Limited	Completed	PI
22.	Evaluation of Rallis new insecticide pre-mixture, RIL-237/fl (17.5%ZC) for bio-efficacy, phytotoxicity and safety to the natural enemies on tomato	M/S Rallis India Ltd.	Completed	PI
23.	Bio-efficacy and phytotoxicity of GPI 1820 (Granular insecticide) against insect pests of Paddy	M/S UPL Ltd.	Completed	PI
24.	Evaluation of Spinetoram 12% SC against Thrips in Mango	M/S E.I. DuPont India Private Limited	Completed	PI
25.	Evaluation of Chlorantraniliprole 18.5% SC against Fruit Borer of Okra	M/S Deccan Fine Chemicals (India) Private Limited	Completed	PI
26.	Evaluation of FIN 21-02 against root-knot nematode in chilli	M/S FMC India Private Limited	Completed	PI
27.	Evaluation of Fluopyram 400g/L SC (Vellum Prime) against <i>Tylenchulus semipenetrans</i> in Citrus	M/S Bayer Crop Science Limited	Continuing	PI
28.	Evaluation of Bio efficiency and Phytotoxicity of New Combination Insecticide III-122 against the Sucking Pest Complex on Rice	M/S Indofil Industries Pvt. Ltd.	Continuing	PI

## 16. CAPACITY BUILDING / FACULTY DEVELOPMENT PROGRAMME ORGANIZED

Sl. No.	NAME OF THE PROGRAMME	DURATION	PLACE

## 17. SEMINAR/SYMPOSIUM/WORKSHOP etc. ORGANIZED

Sl. No.	NAME OF THE PROGRAMME	DURATION	PLACE
1.	International Seminar on “Agriskills for Convergence in Research, Industry and Livelihood (ACRIL)” of Crop and Weed Science Society (CWSS) <b>(Role: Convenor)</b>	28 <sup>th</sup> November to 1 <sup>st</sup> December 2019	Farmers’ Academy & Convention Centre (FACC) BCKV, Kalyani-741235, Nadia, West Bengal
2.	6 <sup>th</sup> CWSS International Conference on “Agricultural Innovations for Sustainable Development Goals with Special Focus on Natural Farming” (AISDGONF-2023) <b>(Role: Convenor)</b>	30 September to 02 October 2023	Farmers’ Academy & Convention Centre (FACC) BCKV, Kalyani-741235, Nadia, West Bengal
3.	7 <sup>th</sup> Regional Science & Technology Congress (Region 5: Howrah, Nadia, North 24 Parganas and South 24 Parganas districts) jointly organized by the Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia and Department of Science and Technology and Biotechnology, Government of West Bengal. <b>(Role: Nodal Officer and Joint Organizing Secretary)</b>	14 <sup>th</sup> & 15 <sup>th</sup> January 2025	Bidhan Chandra Krishi Viswavidyalaya, Mohanpur, Nadia, West Bengal

## 18. PATENTS/ HONORS/ AWARDS/ RECOGNITION:

- Received ‘**Young Scientist Award**’ from the Crop and Weed Science Society (<http://cwssbckv.org/>) on 6<sup>th</sup> November, 2014.
- Received ‘**CWSS Fellow Award**’ from the **Crop and Weed Science Society** on 28<sup>th</sup> November, 2019.
- Received **Outstanding Researcher in Agricultural Entomology Award** during 7<sup>th</sup> Venus International Science and Technology Awards – VISTA 2021 conferred by the Venus International Foundation, Chennai on 6<sup>th</sup> Nov 2021 at Green Park, Chennai, India.
- Received **Achiever Award-2021 conferred by the Society for the Advancement of the Human and Nature (SADHNA)**, Dr YS Parmar University of Horticulture and Forestry, Nauni, Solan (HP) <http://www.sadhnahp.org/images/pdf/2018/daw2021.pdf>
- Received **Proud Indian - Inspiring Teacher Award 2022** in Entomology conferred by the IMRF, Vijayawada, Andhra Pradesh, India on 26<sup>th</sup> Jan 2022.
- Oral presentation award** in the Symposium on “Climate Smart Agriculture for Nematode Management” organized by the Nematological Society of India during 11-13 January, 2017 at ICAR-Central Coastal Agricultural Research Institute Ela, Old Goa – 403402.

## 19. INTERNATIONAL COLLABORATIONS / INVOLVEMENT IF ANY: No

## 20. PUBLICATIONS:

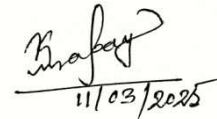
### A. BOOKS:

- Sarkar, S. and Roy, K. (2014). *Glimpses on Nematode Pests of Groundnut in West Bengal*. Lambert Academy of Publishing, pp. 89.

### B. RESEARCH PAPERS:

- Devi, M.S. and **Roy, K.** (2017). Comparable study on different coloured sticky traps for catching of onion thrips, *Thrips tabaci* Lindeman. *Journal of Entomology and Zoology Studies*, **5**(2): 669-671.
- Mondal, D., Kole, D.K. and **Roy, K.** (2017). Gradation of yellow mosaic virus disease of okra and bitter gourd based on entropy based binning and Naive Bayes classifier after identification of leaves. *Computers and Electronics in Agriculture*, **142**: 485-493. <https://doi.org/10.1016/j.compag.2017.11.024>
- Purkait, A., Biswas, S., Saha, S., Hazra, D. K., **Roy, K.**, Biswas, P. K., Ghosh, S. K. and Kole, R. K. (2019). Formulation of plant based insecticides, their bio-efficacy evaluation and chemical characterization. *Crop Protection*, **125**: 104907. <https://doi.org/10.1016/j.cropro.2019.104907>
- Purkait, A., Mukherjee, A., Hazra, D.K., **Roy, K.**, Biswas, P.K. and Kole, R.K. (2021). Encapsulation, release and insecticidal activity of *Pongamia pinnata* (L.) seed oil. *Heliyon*, **7**:e06557. <https://doi.org/10.1016/j.heliyon.2021.e06557>

5. Roy, S., Mishra, B.K. and **Roy, K.** (2023). Evaluation of comparative parasitic efficiency and biology of hymenopteran egg parasitoids, *Trichogramma chilonis* and *T. japonicum* on *Corcyra cephalonica* and *Helicoverpa armigera*. *Journal of Environmental Biology*, **44**(4): 630-638. <https://orcid.org/0000-0002-5179-2373>
6. Devi, M.S. Roy, K. and Yonzon, R. (2023). Influence of micro climatic variables on population dynamics of *Thrips tabaci* Lindeman on onion. *AMA* (ISSN: 00845841), **54**(2): 12105-12118.
7. Mondal, D., Kar, P., Roy, K., Kole, D.K. and Roy, S.K. (2024). X-ResFormer: A model to detect infestation of pest and diseases on crops. *SN Computer Science*, 5:86. <https://doi.org/10.1007/s42979-023-02393-w>. Scopus Indexed Peer Reviewed Springer Journal.
8. Majumder, T. and Roy, K. (2024). Occurrence, distribution and description of *Harmonia dimidiata* (Fabricius), a predacious Coccinellid from West Bengal, India. *Journal of Environmental Biology*, **45** (6): 730-736. <http://doi.org/10.22438/jeb/45/6/MRN-5344>.
9. Sankarganesh, E. and Roy, K. (2024). Effect of climatic and biotic factors on rugose spiralling whitefly (RSW), *Aleurodicus rugioperculatus* Martin (Hemiptera: Aleyrodidae) population in coconut. *Journal of Entomological Research*, **48**(4): 578-583. DOI: 10.5958/0974-4576.2024.00112.3.
10. Sankarganesh, E., Ali, M.N. and Roy, K. (2025). Mitochondrial COI gene sequences based molecular variation in rugose spiralling whitefly [*Aleurodicus rugioperculatus* Martin] (Hemiptera: Aleyrodidae) species from different geographic locations of India. *Advances in Earth and Environmental Science*, **5**(4):1-8.



11/03/2025

Signature  
(Kusal Roy)