

Biswajit Patra



Title : Dr.

Name : Biswajit Patra

Father's Name: Satish Chandra Patra

Present Designation: Assistant Professor (Agricultural Entomology)

Present Address : Regional Research Station (Hill Zone), Uttar Banga Krishi Viswavidyalaya, Kalimpong, West Bengal-734301.

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Permanent Address: C/O-Satish Chandra Patra, Vill-Kultalia, PO-Dholmari, PS-Contai, Dist-Purba Medinipur, West Bengal-721442.

Date of Birth : 04th March, 1985.

Marital Status : Married

Academic Qualification:

Degree	Year	Institution/ Board	Area of Specialization	Percentage of Marks
Ph. D in Agriculture	2021	UBKV	Insecticide Toxicology/IRM	8.91
M.Sc.(Ag) in Agricultural Entomology	2011	BCKV	Insecticide Toxicology	90.6 (Gold Medalist)
B.Sc. (Ag) Hons.	2007	BCKV	Agriculture	84.1
Qualified NET	2013	ICAR(ASRB)	Agricultural Entomology	61

Academic activity :

1. Question paper setting of SAUs.
2. External examiner for theory examination.
3. Conducting educational tour of the UG students.

Previous working Experience:

1. Assistant Director of Agriculture (Block), Department of Agriculture, Govt. of West Bengal.

Project Exposure and Consultancy:

1. PI/Co-PI of industry funded projects,
2. University funded projects
3. NMPB, Govt. of India funded project.

Academic Society Association:

1. Society of Pesticide Science India,
2. The Society for Plant Protection and Environment,
3. Society for Scientific Development in Agriculture and Technology.

Training Course coordination:

1. Organized training programmes for the farmers.

Administrative experience:

1. Assistant Director of Agriculture (Block), Department of Agriculture, Govt. of West Bengal.
2. Assistant Director Farm. UBKV.

Extra curricular Activity:

1. Participated in National Elocution competition.
2. Playing Hawaiian guitar.

University literature publication:**Booklet**

1. Management of major insect pests and diseases of ginger (in vernacular language).
2. Proshnottore moumachhi palon kotha (vernacular language).

Leaflet

1. Safe use of pesticides
2. Use of bio-pesticides for management of insect pests.(Vernacular language).
3. Rugose spiraling whitefly: Recent infestation.(Vernacular language).
4. Susonghoto shosyo surokhay kitnashoker proyojon bhittik byabohar bidhi .(Vernacular language).

Rural Agricultural Work Experience involvement:

1. Evaluation for students READY programme.

Resource person:

2. Resource person in delivering lecture to the farmers.
3. Resource person in various capacity building programmes.
4. Resource person in judging the exhibits in Agriculture fair.
5. Resource person in Live-Phone-in Programme in All India Radio/Doordarshan

Reviewer:

1. Reviewer of research papers in two journals.

Training Programme Participation:

Sl No.	Training	Duration	Organized by
1.	Pesticide application in agro ecosystems:Its dynamics and implications.	21 days	TNAU, Coimbatore.
2.	Effect of climate change on the incidence of insect-pests.	21 days	CCS Haryana Agricultural University. Hisar.
3.	Techniques in Insect Molecular Biology and Toxicology	10 days	SBI, Coimbatore.
4.	Insecticide Resistance: Biochemical and Molecular Perspectives and strategies for combating resistance to insecticides.	21 days	NBAIR, Bengaluru
5.	Managerial Skills for Extension Personnel	3 days	Extension Education Institute(NER)

6.	Refresher training programme on improved production technologies for Jute and Mesta	1 day	Central Research Institute for Jute and Allied Fibres (CRIJAF), Barrackpore, Kolkata.
7.	Value addition in Jute and allied fibre through post harvest processing	5 days	National Institute of Research on Jute and Allied Fibre Technology(NIRJAFT), Kolkata.
8.	Improved retting methods of jute and allied fibres with special reference to quality assessment	8 days	Central Research Institute for Jute and Allied Fibres (CRIJAF), Barrackpore, Kolkata.
9.	Induction training course for the officers of Agriculture Department	5 days	Administrative Training Institute, Kolkata.

Scholarships/Fellowships:

1. University senior Merit Scholarship(BCKV)
2. SELECTED for INSPIRE fellowship of DST, Govt. of India.

Award:

1. University Gold Medal (BCKV).
2. Smt. Hemangini Dutta Memorial Book Prize for highest OGPA in M.Sc (2011) (BCKV).
3. Young Scientist Award (2016).
4. Prof. B.C.Jena award for best paper.
5. Best Oral Presentation award (2017).
6. Best Oral Presentation award (2018)

A. Research Papers in International Journal:

Patra, B., Sahoo, S. K. and Hath, T.K. (2020). Studies on ovicidal activities of selected acaricides against *Oligonychus coffeae* Nietner on tea. Journal of Entomology and Zoology Studies, 8(2): 554-556.

Alam, SK F.; **Patra, B** and Samanta, A. (2019). Evaluation of some new insecticide mixtures for management of litchi fruit borer. Journal of Entomology and Zoology Studies 7(1): 1541-1546.

Sikdar,S; Hath, T.K.; Chatterjee, M.; Chakraborty, D and **Patra, B** (2019). Diurnal foraging activity of flower visiting insects on some seed spices under terai agroclimatic zone of West Bengal. Journal of Entomology and Zoology Studies 7(4): 299-303.

Patra, B., Tudu, B., Ali, S. and Samanta, A.(2017). An Insight into bio-ecology and Management Strategies of Citrus Leaf Miner (*Phyllocnistis citrella* Stainton, Lepidoptera: Gracillariidae), a Potentially Serious Pest of Darjeeling Mandarin. International Journal of Basic and Applied Biology, 4(2): 98-101.

Tudu, B., Barma, P., **Patra, B.**, Baskey, S. and Gurung, S. (2017). Pests Spectrum of Yacon (*Smallanthus* spp: Asteraceae) -A Review. Journal of Agroecology and Natural Resource Management, 4(3):224-226.

Tarafder, H.K., Barma, P., Tudu, B., **Patra, B.**, Gurung, S. Sharma, B.R. and Ali, S. (2017). Darjeeling Mandarin Production Constraints : Issues And Strategies. Progressive Research – An International Journal, 12(II):1523-1525.

Patra, B. and Samanta, A. (2017). Bioefficacy and phytotoxicity study of tolfenpyrad 15% EC, a novel pyrazole insecticide for management of whitefly (*Bemisia tabaci* Genn.) infesting Okra. Progressive Research – An International Journal, 12 (II) : 1839-1841.

Tudu, B., Chatterjee, M., **Patra, B.** and Chakraborty, G. (2017). Optimization of field dose of Pyridaben 20% WP for the management of Chilli yellow mite (*Polyphagotarsonemus latus* Bank). Progressive Research – An International Journal, 12 (I) : 1229-1231.

Patra, B., Alam, Sk. F. and Samanta, A. (2016). Influence of Weather Factors on the Incidence of Whitefly, *Bemisia tabaci* Genn. On Tomato in Darjeeling Hills of West Bengal. Journal of Agroecology and Natural Resource Management, 3(3):243-246.

Patra, B. (2016). Impact of major weather factors on the incidence of Aphid (*Aphis gossypii* Glover) on tomato in Darjeeling Hills of West Bengal. Progressive Research – An International Journal, 11 (VIII) : 5268-5271.

Alam, Sk.F., **Patra, B.** and Samanta, A. (2016). Evaluation of some new mixture formulations of insecticides for management of Mango hoppers. Ecology, Environment and Conservation, 22 (4) : 2067-2075.

Patra, B., Alam, Sk.F., Samanta, A., Chatterjee, M. (2015). Bioefficacy of Lambda Cyhalothrin 4.9 C against Chilli thrips & Fruit borers. The Bioscan, 10(3): 1367-1370.

B. Research Papers in National Journal:

Brahma, K; **Patra, B**; Samanta, S; N Kumar Bharath and Samanta, A. (2018) Evaluation of some selected insecticides for management of Diamond Back Moth, *Plutella xylostella* L on cabbage. Journal of Plant Protection and Environment, 15(1):39-43.

Patra, B., Chatterjee, M., Alam, Sk.F. and Samanta, A. (2018). Efficacy of ready mix formulation of Spirotetramat 120 +Imidacloprid 120: 240 Sc against sucking pest complex of brinjal. Indian Journal of Entomology, **80**(3): 825-833.

Patra, B. (2017). Bioefficacy and phytotoxicity study of tolfenpyrad 15% EC, a novel pyrazole insecticide for management of *Plutella xylostella* (L.) and *Brevicoryne brassicae* L. infesting cabbage and its effect on coccinellid predator. Journal of Entomological Research 41 (4) : 387-394.

Patra, B; Alam, Sk.F;Dhar, P.P. and Samanta, A (2016). Evaluation of ready mix formulation of Spirotetramat 120+Imidacloprid 120-240 SC(W/V) against jassid and red spider mite on Okra. Journal of Plant Protection and Environment, 13(1):13-22.

Dasgupta, S. and **Patra, B.**(2016). Screening of different cereal grains along with nutrient supplements for growth and sporulation of *Metarhizium anisopliae*, an

important entomopathogenic fungus. Journal of Agriculture and Technology, 3(2):39-44.

Alam, SK. F., **Patra, B.**, Chatterjee, M., Dey, P.K., Dhar, P.P., Samanta, A. and Somchoudhury, A.K. (2014). Bio efficacy of spiromesifen 240 SC(w/v) against white fly and red spider mites infesting tomato. Journal of Entomological Research, 38 (2):105-109.

Alam, SK. F., **Patra, B.**, Samanta, A. and Somchoudhury, A.K.(2014). Bioefficacy of Fipronil 80WG against Diamond back moth on cabbage and its impact on yield. Journal of Interacademia, 18(3):380-385.

C. Research Notes/Short Communication in National Journal:

Chatterjee, M.,**Patra, B.**, Chakraborty, D., Hath, T.K. and Dey, A.N.(2019). A report on severe outbreak of gall inducing psyllid, *Pseudophacopteron tuberculatam* Crawford on *Alstonia scholaris* in West Bengal, India. Indian Forester, 145(12):124-1215.

Patra, B., Das, B. C., Alam, Sk. F., Dhote, V., Patra, S., Chatterjee, M. L. and Samanta, A. (2015). Evaluation of New Insecticides against Diamond Back Moth, *Plutella xylostella* (L.) on Red Cabbage. *International Journal of Bio-resource and Stress Management* 6(2):280-284.

D. Conference Proceedings:

Samanta, A. and **Patra, B.** (2018). Public concern and misconception about pesticide use in Agro-ecosystem: An appraisal. 5th National symposium in Plant Protection-A Step towards Food, Nutritional Security and Environmental Safety. Held on October 27-28, 2018. Organized by Society for Plant Protection and Environment, OUAT, Bhubaneswar.

E. Extension literature/Article:

Patra, B., Chakraborty, D., Chatterjee, M and Sahoo, S.K. (2019). Joibik upaye fosoler kitshotru niyontron.(vernacular).

Sarkar, S.,Laskar, N., Sahoo, S.K.,**Patra, B.**, Chakraborty, D. and Chatterjee, M. (2019). *Rugose spiraling sada machhi: Samprotik akromon o sotorkota.* (Vernacular)

Laskar, N., Sahoo, S.K., **Patra, B.**, Chakraborty, D., Chatterjee, M. and Sarkar, S.(2019). *Bidhngsi leda poka Fall army worm: sotorkota ebong sombhabyo koroniyo.*(Vernacular)

Patra, B., Sharma, B.R., Ali, S. and Gurung, S (2017). Safe use of pesticides.

Patra, B., Sharma, B.R., Ali, S.,Ghimiray, T.S.,Baskey, S., Pradhan, S., Tarafder, H.K., Thapa,B and Gurung, S. (2016).*Fosoler kitshotru niyontrone biopesticide er byabohar.*(Vernacular)

Sharma, B.R., Ali, S., **Patra, B.** (2014). Management of major pests and diseases of ginger. (vernacular)

F. Book Chapters:

Patra, B and Tudu, B.(2021). IPM: An Eco-friendly approach for Pest Management. In: Patra, P.S; Pradhan, K; Kheroar, S; Tamang, A and Adhikary, P (Eds.) Sustainable Farming. New India Publishing Agency, New Delhi,India, pp 212-223.

Samanta, A; **Patra, B** and Patra, S. (2020). Role of nanotechnology in the pest management of commercial flowers. In: Pal, S and Chakravarthy, A.K.

(eds)Advances in Pest Management in Commercial flowers. Apple Academic Press, Canada.pp 233-242.

Patra, B. (2020). Leguminous Vegetables: Strategies of Eco-friendly Management of Important Insect Pests. In :Saha, T; Managanvi, K and Chandra,N.(eds) Eco-friendly Pest management Strategies for major Vegetable crops.Agrobios, Jodhpur, India, pp 93-105.

Patra, B; Samanta, A; Alam, Sk..F. ; Chatterjee, M and Chakraborty, D. (2019). Use of household pesticides and their safe uses. In: Kumar, A; Kumar, N and Chand, H.(Eds.) Commercial Entomology. New India Publishing Agency, New Delhi, India, pp 201-206.

Patra, B and Hath, T.K (2018). Pests of Cole Crops and their Management. In: Samanta, A; Patra, B and Patra, S (Eds.) Pest Management in Vegetable Crops. AGRO India Publications, Allahabad, India, pp 1-14.

Chakraborty, D; Chatterjee, M and **Patra, B.** (2019). Termite: Prevention and Management in Building and construction. In: Kumar, A; Kumar, N and Chand, H. (Eds.) Commercial Entomology. New India Publishing Agency, New Delhi, India, pp 245-256.

Samanta, A; Das, B.C;Alam, Sk.F;Dhote, V.W. and **Patra, B.**(2018). In: Samanta, A; Patra, B and Patra, S (Eds.) Pest Management in Vegetable Crops. AGRO India Publications, Allahabad, India, pp 70-81.

G. Books:

Samanta, A; **Patra, B** and Patra, S. (2018). Pest Management in Vegetable Crops. AGRO India Publications, Allahabad, India. ISBN 978-93-84188-07-8.

H. Abstract published: 15

Participation in International/ National/State level Conferences:

Details

<i>Serial No.</i>	<i>Name of the Seminar/ Symposium/ Conference/ workshop</i>	<i>Place</i>	<i>Date (s)</i>	<i>Year</i>	<i>Duration (Days)</i>
1	National seminar on Agro-Chemical Inputs and its Extension approaches towards food-security and Bio-safety: Prospects and Challenges.	Narendrapur, West Bengal	November 15-16, 2019.	2019	2 days
2	Workshop on Farming diversity for doubling farmers' income.	Pundibari, Cooch Behar, West Bengal.	September 18, 2018.	2018	1 day
3	Regional seminar on Trends of climatic derangement over the Sub-Himalayan Region and its potential threats on tea-tourism-forest and field crops.	Siliguri, West Bengal.	March 25, 2018	2018	1 day
4	International conference on Contemporary issues in Integrating climate-The emerging areas of Agriculture, Horticulture,Biodiversity,Forestry,	Kalimpong, West Bengal.	May 11-12, 2017	2017	2 days

	Engineering technology, Fundamental/applies Science and Business Management for Sustainable development.				
5	National Conference on Enhancing Nutritional security through climate smart farming practices.	Kalimpong, West Bengal.	March 17-18, 2017.	2017	2 days
6	7 th International Science Congress	Chukkha, Bhutan.	December 8-9, 2017	2017	2 days
7	National seminar on Resource based inclusive Agriculture and rural development:Opportunities and challenges	Narendrapur, Kolkata, West Bengal.	January 15-16,2016	2016	2 days
8	Workshop on Production, protection and post- harvest technologies on mandarin (<i>Citrus reticulata</i> Blanco.)	Sittong, West Bengal.	February 18-19, 2016.	2016	2 days
9	State level Seminar on Horticulture Entrepreneurship Development in North Bengal	Balurghat, West Bengal.	March 03-04, 2016	2016	2 days
10	International Conference on Agriculture, Food Science, Natural resource management and Environmental dynamics:The Technology, People and sustainable development.	Mohanpur, Nadia, West Bengal.	August 13-14, 2016	2016	2 days
11	National Conference on Innovative and current advances in Agriculture and allied sciences	Hyderabad, Telangana.	December 10-11, 2016	2016	2 days
12	International symposium on Next generation approaches for sustainable development of hill and upland horticulture.	Gangtok, Sikkim	November 5-7, 2015	2015	3 days
13	National Seminar on Sustainable Agriculture for Food Security and better environment.	Kalyani, Nadia, West Bengal	December 17-18, 2015	2015	2 days
14	National Seminar on Biotechnology for sustainable Development (BSD-2012)	Kolkata, West Bengal	February 23-24, 2012	2012	2 days
15	International Seminar on Global environmental issues: Challenges to industry, ecology and Society.	Kalyani, Nadia, West Bengal.	December 24-25, 2011	2011	2 days

Declaration

I hereby declare that all the information furnished by me is true to the best of my knowledge and belief.

Place : Kalimpong.

Biswajit Patra

(Signature)