

RESUME



NAME: Dr. Lakshman Chandra Patel

DESIGNATION: Assistant Professor, Entomology

CONTACTS:

1. **OFFICIAL ADDRESS FOR CORRESPONDENCE:** College of Agriculture, Extended Campus of BCKV, Farm Gate, Kalna Road, Burdwan 713101, West Bengal

2. **PHONE** : **Mobile:** 6296132199
WhatsApp: 9679697632

3. **EMAIL** : **Institutional:** patel.lakshmanchandra@bckv.edu.in
Alternative: laxbckv@gmail.com

4. **ORCID ID:** 0000-0002-9066-5828

5. **GOOGLE SCHOLAR PROFILE:** <https://scholar.google.com/citations?hl=en&user=f8ifcvIAAAAJ>

6. **RESEARCHGATE PROFILE:** <https://www.researchgate.net/profile/Lakshman-Chandra-Patel>

7. **DATE OF BIRTH:** 01/02/1980

8. **DATE OF JOINING TO THE UNIVERSITY:** 03/11/2014

9. ACADEMIC PROFILE:

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D in Agril. Entomology	BCKV	2011
MASTER'S	M.Sc. in Agril. Entomology	BCKV	2003
BACHELOR'S	B. Sc. (Ag). Hons.	UBKV	2001

10. EMPLOYMENT HISTORY:(Starting from present position)

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Assistant Professor, Entomology	BCKV, Mohanpur, W.B.	03.11.2014	Continuing
Programme Coordinator	KVK, West Tripura, Tripura	01.02.2012	02..11.2014
SMS, Plant Protection	KVK, South 24 Parganas, W.B.	01.09.2007	31.01.2012

11. ADMINISTRATIVE POST(S)/ RESPONSIBILY(IES) (IF ANY)

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1	Assistant Registrar, College of Agriculture, BCKV, Burdwan campus	19.01.2024	Continuing
2	Teacher In Charge, College of Agriculture, BCKV, Burdwan campus	19.07.2018	01.01.2019
3	Programme Coordinator, KVK, West Tripura,	01.02.2012	02.11.2014

12. AREA OF RESEARCH : (Bulleted list)

- Biological control of insect pests
- Integrated pest management

13. COURSES ASSOCIATED WITH:

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
UNDERGRADUATE	AEN 104	Fundamentals of Entomology I	2+1
	AEN 154	Fundamentals of Entomology II	1+1
	AEN 204	Pests of Crops and Storage and their Management	2+1
	AEPP 306	Principles of Integrated Pest and Disease Management	2+1
	EC 314	Bio-control agents and bio-pesticides in insect-pest management	2+1
	AEN 354	Management of Beneficial Insects	1+1
	EC 364	Non-insect pests of Crops and their Management	2+1
	AG 401	Rural Agricultural Work Experience and Agro-industrial Attachment (RAWA & AIA)	0+20
POST GRADUATE			
Ph.D.			

14. NUMBER OF STUDENTS SUPERVISED:

Master's. _____ Doctoral _____

15. RESOURCE PERSON FOR OTHER INSTITUTES (involvement in teaching or working as member of academic/ research bodies of other organizations, if any) - Acting as Member for Scientific Advisory Committee of KVK, Burdwan, CRISAF (ICAR)

16. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES

- Indian Society for the Advancement of Insect Science, Punjab Agricultural University, Ludhiana-141004, India
- Society for Bio-control Advancement, NBAIS (ICAR), Bangalore-560024, India
- The Indian Ecological Society, Punjab Agricultural University, Ludhiana-141004
- Crop and Weed Science Society, BCKV, Mohanpur, West Bengal, 741252
- Association for Advancement in Plant Protection, BCKV, Kalyani, Nadia, West Bengal
- Society for Advancement of Human and Nature (SADHNA) at Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P.
- Plant Protection Association of India, NBPGR - Regional Station, Rajendranagar,

Hyderabad-500030, India.

- Society for advancement of Agricultural Innovations (SAAI), Agartala, Tripura
- Society for Fertilizers and Environment (SFE), BCKV, Mohanpur, West Bengal
- Agro Environmental Development Society (AEDS), Majhra Ghat, Rampur, Uttar Pradesh
- Society for Biotic and Environmental Research (SBER), Khowai, Tripura

17. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1	Insecticide Resistance Management of Cotton pests for the district South 24 Parganas	ICAR	Completed	State Coordinator
2	National Initiative on Climate Resilient agriculture (NICRA)” on demonstration component for West Tripura district	ICAR	Completed	CoPI
3	Biotechnology Led Organic Farming in NEH region	DBT	Completed	CoPI
4	IWMP batch IV – Khowai district Tripura	Govt. of Tripura	Completed	PIA
5	Bio-efficacy of BELT EXPERT 480 SC (Flubendiamide 24 % W/V + Thiacloprid 24 % W/V SC) against the caterpillars and sucking pest complex of Black Gram		Completed	PI
6	Bio-efficacy and phytotoxicity of Pyraclostrobin 25 g/l + Fipronil 250 g/l + Thiophanate Methyl 225 g/l FS (Standak Top 500g/l FS) as seed treatment against Seedling diseases, shoot fly & stem borer pests on Corn	BASF India Ltd	Completed	CoPI
7	Field Bio-efficacy and Phytotoxicity trials of MASL 103 against two spotted mites (<i>Tetranychus urticae</i>) of Rose Crop for two seasons	Mahindra Agri Solutions Ltd	Completed	CoPI
8	’Infrastructural support for establishment of centre for testing soil and water quality” under RKVY	Govt. of West Bengal	Completed	CoPI and PI
9	Evaluation of Bio-efficacy, Phytotoxicity &	Bayer Crop Science	Completed	PI

	Effect on Natural Enemies with Insecticide Spirotetramate 11.01 % + Imidacloprid 11.01 % (Movento Energy 240 SC w/v) in Tomato			
10	Bio-efficacy, Phytotoxicity and Effect on Natural Enemies in rice with MAIRM-21 against Yellow Stem Borer	ADAMA India Private Limited	Completed	PI
11	Bio-efficacy, Phytotoxicity of Tolfenpyrad 15 %EC and its effect on Natural Enemies on okra for control of sucking pests jassids, thrips, whitefly and aphid	GSP Crop Science	Completed	PI
12	Bio-efficacy, Phytotoxicity of Tolfenpyrad 15 %EC and its effect on Natural Enemies on cabbage for control of diamond back moth and aphid	GSP Crop Science	Completed	PI
13	Bio-efficacy and phytotoxicity of coded product CCP 003 against top borer of sugarcane	Crystal Crop Protection Limited	Completed	PI
14	Evaluation of bio-efficacy and phytotoxicity of Flonicamid 50% WG against brown plant hopper, white backed plant hopper & green leaf hopper in Paddy crop	Mahamaya Lifesciences Pvt. Ltd	Completed	PI
15	Efficacy of cyantraniliprole 10.6 % OD against major lepidopteran and sucking insects on cabbage	FMC India Pvt. Limited	Completed	PI
16	Efficacy of cyantraniliprole 10.6 % OD against major lepidopteran and sucking insects on okra	FMC India Pvt. Limited	Completed	PI
17	Evaluation of bio-efficacy and phytotoxicity of BAS 450 07 I, BAS 01 I and BAS 306 02 I against fall army worm, stem borer and shoot fly pests of corn'	BASF India Limited	Completed	PI
18	Evaluation of bio-efficacy	UPL limited	Completed	PI

	and phytotoxicity of GPI 1920 against insect pests of chilli			
19	Evaluation of bio-efficacy and phytotoxicity of BAS 560 00 I against brown plant hopper and white backed plant hopper on rice'	BASF India Limited	Completed	PI
20	Bio-efficacy, Phytotoxicity and effects on natural enemies with Betacyfluthrin 90 g/L + Imidacloprid 210 g/L OD (Solomon) in rice against Leaf folder, Brown Plant Hopper, White Backed Plant Hopper and Green leaf Hopper	Bayer Crop Science	Completed	PI
21	Bio-efficacy, Phytotoxicity and effects on natural enemies with REMEDY (Insecticide) in paddy against Stem Borer and Leaf folder'	Insecticide (India) Ltd.	Completed	PI
22	Bio-efficacy and Phytotoxicity of Metaldehyde 5 % GB against crabs and snails in paddy	Sharda Crop Chem	Completed	PI
23	Bio-efficacy, Phytotoxicity of A3R-1 19% w/v SC against plant hoppers in rice	Corteva Agriscience India Pvt. Ltd.	Completed	PI
24	Bio-efficacy, Phytotoxicity of ALI 300 against leaf folder in rice	Atul India Ltd.	Completed	PI
25	Bio-efficacy Evaluation of Fipronil 15 % + Flonicamid 15 % WG on Okra against Shoot & Fruit borer, Aphids and Whitefly	UPL Limited	Ongoing	PI

18. CAPACITY BUILDING/FACULTY DEVELOPMENTPROGRAMME

A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
---------	-----------------------	----------	-------	------

1	Microbial control of insect pests and diseases from March 1-8, 2011 at	8 days	DOR, Hyderabad	Trainee
2	Mass production Technology of Biological Control Agents from February 12-21, 2008	10 days	NCIPM, New Delhi	Trainee
3	Participatory Rural Knowledge Management” at during September 30- October 11, 2013.	12 days	NAARM, Hyderabad, A.P.	Trainee
4	Recent Advances in Integrated Pest Management from February 26 to March 18, 2015	21 days	NCIPM, New Delhi	Trainee
5	Production Protocol for Bio-control agents, Microbial Bio-pesticides and Quality analysis of Microbial Bio-pesticides’ during 01.06.2017 to 21.06.2017	21 days	NIPHM, Hyderabad.	Trainee
6	’Regional Plant Health System Analysis’’ during 04.12.17 – 18.12.2017	15 days	NIPHM, Hyderabad	Trainee
7	’Ecological and molecular approaches for host plant resistance of insect pests’’ during 05.11.2019 to 25.11.2019	21 days	TNAU, Coimbatore	Trainee
8	Preparing and Management of Result Oriented Research Projects in Agriculture, Horticulture, Animal Husbandry and Allied Sectors’’ during 26.05.2020 to 15.06.2020	21 days (Online organized by NADCL, Jammu & Kashmir		Trainee
9	Integrated pest management starting from 21 st April, 2020	8 weeks (conducted by the IIT Kanpur and the Commonwealth of Learning (COL), Canada through agMOOCs online platform)		Trainee
10	’Laboratory Quality System Management and Internal Audit as per ISO/IEC 17025:2017’ from 27th to 31st July, 2020	5 days (organized at National Institute of Plant Health Management, Hyderabad)		Trainee
11	Non Insect Pest Management- Mites, Crabs, Snails, Slugs and Birds from 11 th to 13 th August, 2020.	3 days (organized at National Institute of Plant Health Management, Hyderabad)		Trainee
12	Pest Surveillance’ organized from 17 th 21 st August, 2020.	5 days (organized at National Institute of Plant Health Management, Hyderabad)		Trainee
13	Theoretical Foundation of Education Technology during June 1 – 30, 2021.	30 days (ICAR NAARM (through agMOOCs online platform)		Trainee
14	International Training cum Workshop programme on Agriculture 3.0 – A Futuristic approach towards smart agriculture and sustainable urban farming organized by Agro Environmental Education and Farmer’s	21 days (through online)		Trainee

	Welfare Society, Punjab & Just Agriculture – The Magazine during 30 th April to 20 th May 2022		
15	Data Science in Agriculture from September 4-15, 2023	12 days (Online through ICAR IASRI)	Trainee

19. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE

B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1	<i>3rd Congress on Insect Science.</i> from April 18-20, 2011	3 days	PAU, Ludhiana	Delegate
2	<i>International Symposium-cum-Workshop in Acarology</i> from April 8-10, 2010	3 days	Kalyani, W.B.	Delegate
3	<i>Golden Jubilee National Seminar on Diversification of Aquaculture through locally available Fish species (DALAF-2010)</i> from August 27-28, 2010	2 days	CIFE, Kolkata	Delegate
4	<i>Emerging challenges and steps for mitigation of productivity constraints in food legumes</i> on November 20, 2010	1 day	Kalyani, W.B.	Delegate
5	<i>System Intensification towards Food and Livelihood Security</i> from 24-27 February	4 days	BCKV, Kalyani	Delegate
6	Innovative approaches for Agricultural knowledge Management November 9-12, 2011	4 days	NASC complex, new Delhi	Delegate
7	International symposium on Food security Dilemma: Plant Health and Climate Change Issues during December 7-9, 2012	3 days	BCKV, Kalyani	Delegate
8	National Seminar on Tribal Livelihood: Challenges and Opportunities” during July 20-21, 2013	2 days	Tripura University, Tripura.	Delegate
9	<i>National Seminar on Sustainable Agriculture for Food Security and Better Environment,</i> W.B. during December 17-18, 2015.	2 days	BCKV, Kalyani	Delegate
10	International Conference on Agriculture, Horticulture and Plant Sciences during December 26-27, 2015	2 days	Shimla	Delegate
11	National Seminar on 'Resource based inclusive Agriculture and Rural development'' during January 15-16. 2016	2 days	Narendrapur	Delegate
12	International Conference on	2 days	Kalyani	Delegate

	‘Agriculture, Food Science, Natural Resource Management and Environmental Dynamics: The Technology, People and Sustainable Development’ during August 13-14, 2016			
13	National symposium on Impact of Climate Change, Biodiversity and Good Plant Protection Practices on Crop Productivity during December 22-23, 2016.	2 days	Kalyani	Delegate
14	National Conference and 1 st Innovation Congress 2018 on Innovative Farming for Food and Livelihood Security in Changing Climate during January 12-13, 2018	2 days	Kalyani	Delegate
15	Human Rights and Social Justice during April 13-14, 2017	2 days	Santiniketan	Delegate
16	6 th Annual Convention and National Seminar on use of agrochemicals for a sustainable agriculture and environment on March 27, 2019	1 day	Kalyani	Delegate
17	International Seminar on “Agriskills for convergence in research industry& livelihood (ACRIL)” during November 28 to December 1, 2019	4 days	at Kalyani	Delegate
18	National Conference on contribution of B. R. Ambedkar to modern India during February 1-2, 2020.	2 days	Santiniketan	Delegate
19	International Web Conference on ‘New Trends in Agriculture, Environmental & Biological Sciences for Inclusive Development (NTAEBSID-2020) During June 21-22, 2020.	2 days	Online	Delegate
20	Global Conference on ‘Emerging Agricultural Research to Endure the Predicament of COVID-19 Pandemic’ organized By Agricultural Economics and Social Science Research Association (AESSRA), New Delhi, India during December 12-13, 2020.	2 days	Online	Delegate
21	National Conference on ‘SMART SUMMIT – 2021’ on 19 th June, 2021 at Madurai organized by Pearl Foundation, Madurai, India	1 day	Online	Delegate
22	12 th International Conference on ‘Agriculture, Horticulture and Food Sciences’ during December 29-30, 2021	2 days	Shimla, H.P.	Delegate
23	2 nd Biotic Congress (BioSCon 2022) and International Conference on Recent Advances on Recent Advances in Agricultural, Biological and Applied Sciences Research from 8-9 August, 2022	2 days	Nowgong, Assam	Delegate

24	3 rd Biotic Congress (BioSCon 2022) and International Conference on <i>Advancement in Plant Health Research - Retrospect & Prospect</i> from 7-8 th December, 2023	2 days	Santiniketan	Delegate
----	--	--------	--------------	----------

20. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleated list):

- Received Zone II best KVK award - 2011 for Nimpith KVK, South 24 Parganas from ICAR in 2012 and National best KVK Award – 2012 for Nimpith KVK (having contribution as Subject Matter Specialist, Plant Protection in KVK activities from September 1, 2007 - January 31, 2012).
- Under my leadership Mr. Debasis Roy, Ganki, Khowai, Tripura received “Innovative Shashya Surakhya Award” from Association for Advancement in Plant Protection, BCKV, Kalyani in 2012.
- Received Zone III best KVK award – 2011 for Divyodaya KVK, West Tripura as Programme Coordinator in 2012.
- Received Young Scientist Award (2015) from International Journal of Tropical Agriculture and Serials Publications Pvt. Ltd., New Delhi.
- Received Young Scientist Award (2016) from Crop & Weed Science Society, BCKV, Mohanpur, W.B.
- Received Young Scientist Award (2020) from Agro-Ecological Development Society, Rampur, U.P.
- Received ‘Best Oral Presentation Award’ on Global Conference on ‘Emerging Agricultural Research to Endure the Predicament of COVID-19 Pandemic’ organized By Agricultural Economics and Social Science Research Association (AESSRA), New Delhi, India during December 12-13, 2020.
- Received Fellow award (FSBER) (2020) of Society for Biotic and Environmental Research (SBER), Khowai, Tripura, India.
- Received Best Assistant Professor Award (2020) from Pearl Foundation, Madurai, T.N., India
- Received Outstanding Achievement Award (2021) from the Society of Tropical Agriculture, New Delhi, India
- Received ‘Best Oral Presentation Award’ on Biotic Science Congress & International Conference on Recent Advances in Agricultural, Biological and Applied Sciences Research’ organized By Society for Biotic and Environmental Research (SBER), Khowai, Tripura, India during August 8-9, 2022
- Received ‘Outstanding Teacher Award’ on Biotic Science Congress & International Conference on Recent Advances in Agricultural, Biological and Applied Sciences Research’ organized By Society for Biotic and Environmental Research (SBER), Khowai, Tripura, India during August 8-9, 2022

21. INTERNATIONAL COLLABORATIONS/ INVOLVEMENT, IF ANY (Bulleated list):

22. PUBLICATIONS

A. BOOKS

- Published a technical book in English on “Insecticide Resistance Management for Cotton pests in South 24 Parganas district of West Bengal” – **L. C. Patel** and A. Roy
- Published a Bengali book on “Sabji Vigyan” (Vegetable Science) – by C. K. Mandol and **L. C. Patel**
- **Published a text book in English on** “Fundamentals of Entomology (As per 5th Dean’s recommendations)” under authorship of **L. C. Patel** by Brillion Publishing with ISBN 978-93-89350-42-5

- **Published a text book in English on** “Fundamentals of Applied Entomology ” under authorship of **L. C. Patel** by Elite Publishing House with ISBN 978-93-95185-02-8

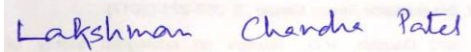
B. BOOK CHAPTERS (Best 10)

- Patel, L.**, Mandal, C. K., Chatterjee, P. and Roy, D. K. 2011. Effect of some common pesticides on the survivability of Spot Fin Swamp Barb (*Puntius sophore*). pp. 307-313. Sinha, A., Dutta, S. and Mahapatra, B. K. (eds), *Diversification of Aquaculture*, Narendra Publishing House.
- Patel, L.**, Roy, D K. And Roy, A. 2012. IRM Technology – an ecofriendly approach towards sustaining productivity of cotton in South 24 Parganas. Growing Agriculturally with Nimpith KVK, Published by Zonal Project Directorate, Zone II (ICAR), Kolkata.
- Patel, L.** and Jana, H. 2018. Indigenous botanicals and their utilization in managing vegetable pests. Modern Approaches for Pest Management in Vegetable Crops in Saha *et. al.*, Satish Serial Publishing House (ISBN 978-93-86200-81-5). Page no. 49-89.
- Patel, L.** 2022. Rodent Ethology for their management. In: Emerging Trends in Agriculture. Prospects and Opportunities edited by Mondal, B. Bordolui, S. K. and Santra, S. @ Renu Publishers, New Delhi. (ISBN 978-93-92597-50-3). Page no. 99-109. DOI: 10.30954/NDP-Emerging.10.
- Patel, L.** and Jana, H. 2023. Bharater Sabuj Biplab. In: Biplaber Das Kahan edited by Ghosh, D. Page no. 251-266.

C. RESEARCH PAPERS (Best 10)

- 1. Patel, L. C.**, Chakrabarty, S. and Googoi, A. K. 2015. Organic cultivation of chilli – an assessment in West Tripura district of Tripura. *Journal of Ecofriendly Agriculture* (ISSN no. 2229-628X) **10 (1)**: 15-19.
- 2. Patel, L. C.**, Konar, A. and Sahoo, C.S. 2015. Biophysical screening of brinjal genotypes against fruit and shoot borer, *Leucinodes orbonalis* (Guen.). *The Bioscan*. 10(2): 905-909.
- 3. Patel, L. C.**, Konar, A. and Sahoo, C.S. 2021. Influence of weather parameters on the infestation of brinjal shoot and fruit borer. *Indian Journal of Plant Protection*. 49(2): 148-151.
- 4. Patel, L. C. and Das, S.** 2021. Population dynamics of fruit fly *Bactrocera cucurbitae* (Coquillett) of cucurbits. *Indian Journal of Entomology*. 83(2): 257-260.
- 5. Patel, L. C.** 2021. Compatibility of entomopathogenic nematode, *Steinernema* sp. and egg parasitoid, *Trichogramma japonicum* with insecticides. *J. ent. Res.*, 45 (Suppl.): 862-865.
- 6. Patel, L. C.** 2022. Efficacy of some insecticides against green leaf hopper, *Nephotettix virescens* distant (Hemiptera: Cicadellidae) and brown plant hopper, *Nilaparvata lugens* stal (Hemiptera: Delphacidae) in rice with safety to natural enemies. *J. ent. Res.*, 46 (4): 780-788 (2022). DOI: 10.5958/0974-4576.2022.00134.7
- 7. Singh, K.**, Majumder, T., Mallick, A., Samajder, A., Modak, M., Devi, M. S., Banerjee, A., Sarkar, A., **Patel, L. C.**, Ghosh, S. M. and Roy, K. 2023. Defensive role of plant latex on insect pests' suppression: a critical review. *American Journal of Plant Sciences*. 14:1375-1398.

8. Zaman, M. I. and **Patel, L. C.** 2023. Comparative Efficiency of Some Novel Insecticides against Fall Army Worm, *Spodoptera frugiperda* in Maize. *International Journal of Bio-resource and Stress Management*, 14(10): 1350-1359. <https://doi.org/10.23910/1.2023.4491a>.
9. Zaman, M. I. and **Patel, L. C.** 2024. Compatibility of Entomopathogenic Nematode (*Steinernema* sp.) and Coccinellid (*Cheilomenes sexmaculata*) with Insecticides Registered against Fall Army Worm (*Spodoptera frugiperda*) in Corn. *Environment and Ecology*: 42(1A): 316-322.
10. Zaman, M. I. and **Patel, L. C.** 2024. Toxicity response of some insecticides on insect egg parasitoid *Trichogramma japonicum* (Ashmead). *Indian Journal of Entomology Online* published Ref. No. e24409 DoI. No.: 10.55446/IJE.2024.1409.



Signature with Date