

# RESUME

**NAME:** DR. POLY SAHA

**DESIGNATION:** Assistant Professor (Stage III)

**CONTACTS:**

**1. OFFICIAL ADDRESS FOR CORRESPONDENCE:**

College of Agriculture, Extended Campus of BCKV,  
Purba Burdwan-713101

**2. PHONE :** **Mobile:** 8240401470/ 9434586429  
**WhatsApp:** 8240401470

**3. EMAIL :** **Institutional:** saha.poly@bckv.edu.in  
**Alternative:** poly.saha@gmail.com

**4. ORCID ID:** <https://orcid.org/0000-0002-6577-2197>

**5. GOOGLE SCHOLAR PROFILE:**

<https://scholar.google.com.mx/citations?user=8dCTjQgAAAAJ&hl=en>

**6. RESEARCHGATE PROFILE:** <https://www.researchgate.net/profile/Poly-Saha>

**7. DATE OF BIRTH:** 24/04/1981

**8. DATE OF JOINING TO THE UNIVERSITY:** 05/01/2015



**9. ACADEMIC PROFILE:**

LEVEL	NAME OF THE DEGREE WITH DISCIPLINE/ DEPARTMENT	INSTITUTE	YEAR OF PASSING
DOCTORAL	Ph.D (Ag.) in Plant Pathology	BCKV	2012
MASTER'S	M.Sc (Ag.) in Plant Pathology	BCKV	2006
BACHELOR'S	B.Sc (Ag.) Hons	UBKV	2003

**10. EMPLOYMENT HISTORY: (Starting from present position)**

POSITION	ORGANIZATION	PERIOD	
		From (Date)	To (Date)
Assistant Professor (Plant Pathology)	College of Agriculture, Extended Campus of BCKV, Purba Burdwan	05.01.2015	Till date
Junior Scientist (Plant Pathology)	Orissa University of Agriculture and Technology	31.12.2009	05.01.2015

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

SL. NO.	NAME OF THE POST(S)/ RESPONSIBILITY(IES)	PERIOD	
		From (Date)	To (Date)
1.	Provost Ladies Hostel (LH-II)	07.12.2021	Till date
2.	Provost Ladies Hostel (Maitree Abas)	10.08.2022	Till date
3.	I/C Technical Officer "Integrated Agro Advisory Services (IAAS)" for Keonjhar (Odisha)	27.12.2012	28.02.2014
4.	In charge of several committees like exam committee, library and cultural committee, stock and report return etc.	2010	Till date

**12. AREA OF RESEARCH: (Bulleted list)**

- Epidemiology and Plant disease forecasting
- Integrated Plant Disease Management
- Host-Pathogen Interaction

**13. COURSES ASSOCIATED WITH:**

LEVEL	COURSE NO.	COURSE TITLE	CREDIT
<b>UNDERGRADUATE</b>	PPA-105	Fundamentals of Plant Pathology I	2 (1+1)
	PPA-155	Fundamentals of Plant Pathology II	2 (2+0)
	PPA 205	Diseases of Field and Horticultural crops and their management 1	2 (1+1)
	PPA 256	Diseases of Field and Horticultural crops and their management II	2 (1+1)
	EC-263	Chemicals in plant disease management	3 (2+1)
	AEPP 306	Principles of integrated pest and disease management	3 (2+1)
	(RAWE & AIA)	RAWE and Agro Industrial Attachment	20 (0+20)
	ELP 453	Experiential Learning Programme	10 (0+10)
<b>POST GRADUATE</b>	Nil	Nil	Nil
<b>Ph.D.</b>	Nil	Nil	Nil

**14. NUMBER OF STUDENTS S**

**Master's\_** NIL **Doctoral** 2 (Completed) 1 (Pursuing)

**15. RESOURCE PERSON FOR OTHER INSTITUTES (involvement in teaching or working as member of academic/ research bodies of other organizations, if any)**

- UG and PG question paper setter of different Institute as external, One research project is ongoing in collaboration with RCC Institute of Information and Technology, Kolkata.
- Participate in several Krishi melas, training programmes organised by various Govt. and NGO as resource persons.
- Editorial members for the preparation of Comprehensive District Agriculture Plan, Paschim Burdwan

**16. LIFE MEMBERSHIP OF ACADEMIC SOCIETIES: 8 (Eight) professional society**

- “Plant Protection Association of India”, NBPGR Regional Station, Rajendranagar, Hyderabad-500030, Andhra Pradesh, India.
- “The Agricultural Society of India”, Ballygunge Circular Road, Kolkata-700019, India
- “Medicinal and Aromatic Plants Association of India.”, Directorate of Medicinal and Aromatic Plant Research, Boriavi, Anand-387310, Gujrat, India.
- “Association of Agrometeorologist”, Anand Agricultural University, Anand-388110, Gujrat, India
- “Society for Plant protection and Environment”, Dept. of Entomology, College of Agriculture, Orissa University of Agriculture and Technology, Bhubaneswar -751003, Orissa
- “Indian Society of Mycology and Plant Pathology, MPUAT, Udaipur, Rajasthan, India.
- “Indian Phytopathological Society”, Division of Plant Pathology, Indian Agricultural Research Institute, New Delhi – 110012, India.
- “Society of Biological and Rural Development”, New Jhusi, Allahabad, U.P- 211019.

## 17. PROJECT ACTIVITIES

SL. NO.	TITLE OF THE PROJECT	FUNDING AGENCY	ONGOING/ COMPLETED	PI/ Co-PI
1.	Evaluation of Bio-efficacy and phytotoxicity Metiram 70% WG against anthracnose of Chilli	BASF India Ltd	Completed	PI
2.	Bio-efficacy and phytotoxicity evaluation of Copper Hydroxide 53.8 DF (35% metallic copper) against anthracnose of Chilli	M/S Vimal Crop Care Pvt. Ltd.	Completed	PI
3.	Evaluation of 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 Limited,	Completed	PI
4.	Evaluation of Bio-efficacy and phytotoxicity effect of fungicide Aliette (Fosetyl AL 80% WP) on Banana against Panama Wilt ( <i>Fusarium oxysporum f.sp cubense</i> )	Bayer Crop Science Ltd.	Completed	PI
5.	Bioefficacy and phytotoxicity of Tebuconazole 10% + Sulphur 65% WG (Fungicide) on Tikka disease in groundnut (kharif)	Excel Crop Care limited	Completed	PI
6.	Evaluation of Bioefficacy and phytotoxicity of Pyraclostrobin 20%WG) on Tomato crop	Rainbow Agrosciences PVT. LTD	Completed	PI
7.	Evaluation of Bio-efficacy and Phytotoxicity of Zineb 75% WP against diseases of Potato	Indofil Industries limited	Completed	PI
8.	Evaluation of KK-21 against powdery mildew and anthracnose diseases on chilli	Sulphur Mills ltd.	Completed	PI
9.	Evaluation of Bio-efficacy & Phytotoxicity of IFC067 against diseases of Paddy (Bacterial leaf blight, False smut, Blast)	Indofil Industries limited	Completed	PI
10.	Evaluation of Bio-efficacy & Phytotoxicity of IIF-1516 against diseases of Paddy (Sheath blight, False smut, Dirty panicle, Blast)	M/S Indofil Industries limited	Completed	PI
11.	Smart Agro-Robot design for improving production of Rice-Potato based cropping system through autonomous detection of Agricultural situation.	WBDSTBT	Continuing	PI
12.	Bio-efficacy and phytotoxicity evaluation of ICF 310 on late blight, buck eye rot and early blight of tomato	M/S Indofil Industries limited	Continuing	PI
13.	Bio-efficacy and phytotoxicity of ALF 400 against sheath blight and blast of rice.	Atul Limited	Continuing	PI
14.	Evaluation of ALF-404 to control Sheath blight and Blast in Rice	Atul Limited	Continuing	PI

## 18. CAPACITY BUILDING/FACULTY DEVELOPMENT PROGRAMME

### A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	Skill Development Training on Gardener Co coordinator	16th January to 16th February, 2024	COA, BCKV, Burdwan	Member of organizing Committee

### B. ATTENDED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	“Climate change, Precision Agriculture and innovative strategies for controlling of diseases” Sponsored by ICAR	(23 March to 12 April, 2011).	G.B Pant University of Agriculture and Technology, Pantnagar	Trainee
2.	“Use of biotechnological and conventional tools in understanding virus-host interactions” Sponsored by ICAR	21 days (07 November to 27 December 2017).	Division of Plant Pathology, ICAR-IARI, New Delhi	Trainee
3.	Data analysis using SAS, of NAIP consortium “Strengthening Statistical Computing for NARS”	5 days (16-21 January, 2012).	OUAT, Bhubaneswar	Trainee
4.	Trainers’ Training on “Good Agricultural and Collection Practices (GACP) for Medicinal and Aromatic Plants”	5 days (25th -29th September,2012).	DMAPR, Anand, Gujrat and National Medicinal Plant Board	Trainee
5.	“Hands on Workshop on Next Generation Sequencing to augment Microbial Research”	5 Days (14-18th January, 2019).	Bose Institute, Kolkata	Trainee
6.	“Application of Molecular Epidemiology and simulation modeling from Plant Disease Management” sponsored by ICAR	10 days (13th - 22nd February, 2019)	Department of Plant Pathology, PAU, Ludhiana.	Trainee
7.	Massive Open Online Course (MOOC) on Plant Biosecurity organized by NIPHM, Government of India	30 days 01st September to 30th November, 2019	Online	Trainee
8.	“Applications of Bioinformatics Tools in Agricultural Research” Under Niche Area Excellence Programme organized by UBKV and ICAR-IARI, New Delhi	10 days 20-30 September, 2021	Online	Trainee
9.	“Remote Sensing & Geographical Information Systems Applications in Agriculture” organised by NIPHM, Hyderabad.	3 days 9 -11 November, 2021	Online	Trainee

## 19. SEMINAR/ SYMPOSIUM/ WORKSHOP etc

### A. ORGANIZED

SL. NO.	NAME OF THE PROGRAMME	DURATION	PLACE	ROLE
1.	4 <sup>th</sup> International Conference on 'Natural Resource Management and Sustainability' organized by Gochar Educational and Welfare Society.	26-30 November, 2023	Udayana University, Bali, Indonesia	Steering Committee
2.	3 <sup>rd</sup> International seminar on 'Sustainable development initiatives in Southeast Asia' fromorganised by Gochar Educational and Welfare Society.	07-08 November, 2022	Kathmandu, Nepal	Co-organizing Secretary

### B. ATTENDED

- i) International Seminar Attended: 12 (Three outside India in Thailand, Nepal and Indonesia)
- ii) National Seminar Attended: 16  
Attended as delegate either oral or poster presentation.

## 20. PATENTS/ HONOURS/ AWARDS/ RECOGNITION (Bulleted list):

- **University Merit Scholarship from UBKV from 1999-2003**
- **Gold medalist** from *Indian Mycological Society* for securing highest marks in M.Sc (Ag) in Plant Pathology (First Class First) - 2006
- **Best Publication Award** -2013 by SADHNA, Dr Y. S Parmar University of Horticulture and Forestry, P.O. Nauni, Solan 173 230 Himachal Pradesh, India
- **Vimla Devi Medal**-2014 from *Bioved Research Institute of Agriculture and Technology*, Allahabad, U.P for outstanding performance in the field of Plant Pathology.
- **Distinguished Service Award** -2015 from Society of Biological Sciences and Rural Development, Allahabad, U.P for outstanding contribution in the field of Plant Pathology.
- **S Venkataraman Best Paper Award**-2016 from Association of Agrometeorologists, Anand, Gujrat.
- **Young Scientist Award**- 2017 from SVWS, Lucknow, UP.
- Secured **2<sup>nd</sup> position** in the **Poster presentation**, National Seminar on Agro-chemical inputs and its extension approaches towards food-security and bio-safety: Prospects and Challenges: (AEFS-2019), held on 15-16 November, 2019 at SAMETI, RKMVERI, Narendrapur, West Bengal.
- **Prof. H C Dube outstanding young Scientist Award** - 2020 from ISMPP, Udaipur, Rajasthan
- **Scientist of the year** -2023 from Gochar Educational and Welfare Society, Saharanpur, UP.
- Secured **1<sup>st</sup> position** in the **Poster presentation**, 4<sup>th</sup> International Conference on Natural Resource Management and Sustainability, held on 26-30 November, 2023 at Udayana University Bali, Indonesia.

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

## 22. PUBLICATIONS

### A. BOOKS

### B. BOOK CHAPTERS (Best 10)

- **Poly Saha** and Srikanta Das (2024). Principles of Plant Disease Management. Concept of Plant Pathology and Disease Management. Editors: K. K Biswas, Parimal Sinha, Pranab Dutta, Prasant P. Jambhulkar, Bishnu Maya Bashyal, Srujani Behera, Manunath Hubballi and R, Viswanathan. Indian Phytopathological Society and Today's and Tomorrow's Printers and Publishers, New Delhi. Pp: 71-85. ISBN: 978-9394678-98-9
- Deepak Singh, **Poly Saha**, K. Levish Chongloi, A.K Gupta, M.A Ansari, N. Prakash (2022). Management of Plant diseases through application of Bio-control agents in climate smart Agriculture- Review. Innovative approaches for sustainable Development- Theories and Practices in agriculture. Editor: Syed Sheraz Mahdi and Rajbir Singh Springer Nature Switzerland AG. Pp. 231-246. [https://doi.org/10.1007/978-3-030-90549-1\\_15](https://doi.org/10.1007/978-3-030-90549-1_15)
- Sunita Mahapatra, **Poly Saha** and Srikanta Das (2018). Plant Disease Forecasting in the era of climate change: Trends and applications. *Recent Approaches for Management of Plant Diseases* Editors: Srikanta Das, Subrata Dutta, B.N Chakraborty and Dinesh Singh Publishers: Indian Phytopathological Society and Today's and Tomorrow's Printers and Publishers, New Delhi. Pp: 1-26
- Kar, R.K, **Saha, P**, Upadhyaya, K and Mohanty, S.K (2014). Betelvine (*Piper betel* L.): The neglected green gold claims livelihood and health security in rural India. *Management of Natural Resources for Sustainable Development: Challenges and Opportunities*. Sati, V.P., Kumar, G. eds., Excel India Publishers, New Delhi. pp: 167-176.

### C. RESEARCH PAPERS (Best 10)

1. Shishir Rizal and **Poly Saha** (2024). GGE biplot technique to delineate genotype × environment interactions to identify the stable resistance sources in the lentil—*Stemphylium* blight pathosystem. *European Journal of Plant Pathology*. DOI 10.1007/s10658-024-02851-y (NAAS: 8.22 ISSN 1573-8469)
2. **Poly Saha** and Shishir Rizal (2023). Development of forecasting model for assessing disease risk and non-risk period in *Fusarium* Wilt X Banana pathosystem. *Indian Journal of Ecology* 50(5) (SI): 1757-1761. DOI: <https://doi.org/10.5362/IJE/2023/4132> (NAAS: 5.79 0304-5250)
3. Sanju Tamang, **Poly Saha**, Jhuma Datta and Shishir Rizal (2023). Biochemical and histopathological changes in chickpea (*Cicer arietinum* L.) during pathogenesis of collar rot fungi (*Sclerotium rolfsii* Sacc.). *International Journal of Scientific Research* 12(01): 1-5 DOI: 10.36106/ijsr (IF: 5.711 PRINT ISSN No. 2277 - 8179)
4. Sanju Tamang and **Poly Saha** and Shishir Rizal (2022). Effects of sowing dates on yield and collar rot of Chickpea (*cicer arietinum* l.). *Bangladesh Journal of Botany* 51(4): 721-727. DOI: <https://doi.org/10.3329/bjb.v51i4.63491> (NAAS: 6.31 ISSN 0253-5416)

5. Sanju Tamang and **Poly Saha** (2022). Impact of soil moisture and temperature on the epidemiology of collar rot of chickpea caused by *Sclerotium rolfsii* (Sacc.) and assessment of yield loss. *Legume Research* 46(12): 1629-1634. DOI 10.18805/LR-4855 (NAAS 6.67 ISSN: 0250-5371)
6. Sanju Tamang and **Poly Saha** (2022). Forecasting model for disease risk period in chickpeaXcollar rot patho-system. *Journal of Agrometeorology*, 24(1):72-76. <https://doi.org/10.54386/jam.v24i1.780> (NAAS: 6.59 ISSN:0972-1665)
7. Sanju Tamang, **Poly Saha**, Sudip Bhattacharya and Arpita Das (2021). Unveiling genotype × environment interactions towards identification of stable sources of resistance in chickpea—collar rot pathosystem exploiting GGE biplot technique. *Australasian Plant Pathology*, 51: 47-58 <https://doi.org/10.1007/s13313-021-00834-9> (NAAS 7.42 ISSN:0815-3191)
8. **Poly Saha** and Soumen Bera (2021). Weather impact assessment and development of prediction model for yield loss in chilli anthracnose patho-system. *Journal of Agrometeorology* 23 (3) : 352-355 ( NAAS: 6.59 ISSN:0972-1665)
9. Madhumita Maity, **Poly Saha** and Partha Sarathi Nath (2019). Development of Prediction Equations for Tomato Leaf Curl Virus on Tomato at Different Dates of Planting using Logistic and Gompertz Model. *Int.J.Curr.Microbiol.App.Sci* 8(5): 910-926. <https://doi.org/10.20546/ijcmas.2019.805.106> (NAAS: 5.38 ISSN: 2319-7706).
10. **Poly Saha**, Jaywant K. Singh and T.R Mohanty (2017). Resistance in urdbean against yellow mosaic, leaf crinkle and *Cercospora* leaf spot diseases under natural epiphytotic condition in Keonjhar district of Odisha. *Indian Phytopathology*, 70(1): 122-128. DOI: 10.24838/ip.2017.v70.i1.48990 (NAAS: 5.9ISSN: 0367-973X)



03.05.2024

---

Signature with Date