

# CURRICULUM VITAE

## DR. BIBHUTI BHUSAN SAHOO

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### Present Address:

Junior Scientist (Horticulture)  
Regional Research & Technology  
Transfer Station, (OUAT), Semiliguda  
Post Box No:10, Sunabeda,  
Koraput (Odisha) Pin-763002

### Permanent Address:

S/O:- Sri Shyam Sundar Sahoo  
At:- Panusahu Patna  
Po:- Kantilo  
Dist:- Nayagarh,  
(Odisha) Pin-752078.



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### Personal information:

Date of Birth : 28<sup>th</sup> June 1977  
Marital Status : Married  
Nationality : Indian

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## PROFESSIONAL EXPERIENCE: 10 Years

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### ❖ April, 2015 – Counting

**Regional Research and Technology Transfer Station, (OUAT), Semiliguda, Post Box No: 10, Sunabeda, Koraput, Odisha.**

#### *Junior Scientist (Horticulture)*

The responsibilities include conducting research trials to develop improved off season vegetable varieties/hybrids resistance to biotic and abiotic stresses. Development and validate technologies suitable for higher crop production, plant protection, post harvest handling and storage. Production of quality planting materials for the targeted farming communities. Development of liaison between university and line department. Conducting Front Line Demonstration (FLD) on horticultural crops for the horizontal spread of technology on farmer's field. To provide scientific leadership in horticultural research for solving location specific problems. To provide training support to the vegetable growers in eastern ghat high land zone of Odisha.

### ❖ August, 2009 – April, 2015

**All India Network Research Project on Onion & Garlic, College of Horticulture, OUAT, Chiplima, Sambalpur, Odisha.**

#### *Senior Research Fellow (Horticulture)*

The responsibilities include collection, evaluation and conservation of *Allium Spp.* existing in different localities of Odisha. Conducting varietal trials to develop improved varieties and hybrids resistance to biotic and abiotic stresses. Development and validate technologies suitable for higher bulb production, plant protection, post harvest handling and storage. To provide scientific leadership in network research for solving location specific problems of production and storage. To provide training support to the onion & garlic growers in Odisha.

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❖ **June, 2009 – August, 2009**

**Sustainable Rural Livelihood and Food Security to Rain fed Farmers of Odisha. NAIP, Component-3, College of Agriculture, OUAT, Bhubaneswar, Odisha.**

***Senior Research Fellow (Horticulture)***

The responsibilities in this project include, increase farm productivity through crop diversification, suitable soil water conservation majors and soil health management. To increase farm profitability by selective farm mechanization to reduce cost of cultivation. Linking farm produce to processing, value addition and marketing industries. To create more employment opportunities through introduction of commercial dairy, goatary, poultry, apiary, mushroom cultivation, pisciculture, nutritional garden & vocational activities (Leaf Tray making & Bamboo Craft). To promote capacity building through training / demonstration of farmer and farm women, formation of SHGs and creation of farm knowledge centers (FKCs).

❖ **August, 2008 - March, 2009**

**Facilitation Center of National Medicinal Plant Board in OUAT, Department of Horticulture, College of Agriculture, OUAT, Bhubaneswar, Odisha.**

***Project Assistant***

The Project responsibilities include collection, conservation and documentation of medicinal plants. Production of quality planting materials. Organizing workshop and multi location training programmes on different medicinal plant cultivation. Attending Herbal fairs to develop the marketing linkage in between the producers, traders and manufacturers. Publication of extension literatures and news letters for wider publicity and awareness. Development of world wide website and documentary picture on medicinal plant cultivation.

❖ **July, 2007 - August, 2008**

**DBT–Rural Bio-Resource Complex Development, Department of Agronomy, College of Agriculture, OUAT, Bhubaneswar, Odisha.**

***Senior Research Fellow (Horticulture)***

The responsibilities include organizing vocational training programmes for farm men and women, rural youth and school drop outs in agriculture and allied sectors. Conducting On-Farm Testing (OFT) on the proven technologies in the field of agriculture, horticulture, livestock production, fisheries and other land based enterprises. Conducting Front Line Demonstration (FLD) on agri-horticultural crops for the horizontal spread of technology on farmer's field. Production of quality planting materials for the targeted farming communities. Planning, monitoring and evaluation of the above works with higher authorities and line departments. All reports return and documentation.

❖ **Sep, 2006 - July, 2007**

**Integrated Watershed Development Programme (IWDP), District Rural Development Agency (DRDA), Nayagarh, Odisha.**

***Watershed Development Team Member***

The responsibilities include Organizing vocational training programmes and exposure visits for rural farming communities. Formation of SHGs and creation of farm knowledge centers (FKCs). Creation of employment opportunity through land based enterprises like mushroom cultivation, seasonal vegetable cultivation & quality planting material production.

## EDUCATIONAL QUALIFICATION

- (2009 – 2014)  
**Ph.D. in Horticulture**  
**Visva – Bharati**, Santiniketan (W.B), India  
Passed with first Division (68.3%)  
Thesis Title : **Evaluation of Germplasm and Gamma Ray Induced Mutants against *Phytophthora* Leaf blight Disease in Taro [*Colocasia esculenta* (L.) Schott].**
- (2002 – 2004)  
**M.Sc. (Ag) in Horticulture**  
**Visva – Bharati**, Santiniketan (W.B), India  
Passed with first Division (66.7%)  
Thesis Title : **Effect of post harvest treatments with NAA, GA<sub>3</sub> and modified atmosphere packaging on shelf-life and quality changes of tomato at room temperature.**
- (1998 -2002)  
**B.Sc. Ag. (Hons.)**  
**C.S A University of Agriculture and Technology**, Kanpur (UP) India.  
Passed with first Division (71.6%)

## COMPUTATIONAL SKILL

- **Diploma in Computer Application**  
Rashtriya Computer Sakshrtha Mission, Kanpur, (UP)
- **Vidya**  
Aptech Computer Centre, Bolpur, Santiniketan (W.B)

## PROFESSIONAL RECOGNITION

- ❖ Editorial Board Member of *Innovative Farming*-An international journal of Agriculture.
- ❖ Invited reviewer for *International Journal of Agriculture Sciences* of "Bioinfo Publication Journals".

## RESEARCH PROJECT HANDLED

1. Bio-efficacy studies of Bacillus subtilis based bio-fungicide, Tagoro, against late Blight in Tomato. Co-P.I.
2. Evaluation of Bio-efficacy studies of Bacillus subtilis based bio-fungicide, Tagoro, against powdery Mildew in Cucurbits. Co-P.I.

## MEMBERSHIP OF THE PROFESSIONAL SOCIETIES

1. International Journal of Bio-Resources and Stress Management, Kolkata, (WB).
2. Indian Society for Spices, ICAR-IISR, Kozhikode, (Kerala).
3. Indian Society of *Alliums* .ICAR-DOGR, Rajgurunagar, Pune, (M.S).
4. Plant Protection Association of India, Rajendranagar, Hyderabad, (A.P).
5. Crop and Weed Science Society, BCKV, Mohanpur, (W.B).
6. The Society for the Advancement of Horticulture, BCKV, Mohanpur, (W.B).
7. The Odisha Horticultural Society. OUAT, Bhubaneswar, (Odisha).
8. The Society for Plant Protection and Environment. OUAT, Bhubaneswar, (Odisha).

## PROFESSIONAL TRAINING ATTENDED & IMPARTED

- Attended 21days Winter School on ‘**Advanced breeding strategies for biotic and abiotic stress tolerance in vegetable crops**’ held at IIHR, Bengaluru from 8<sup>th</sup> to 28<sup>th</sup> October, 2015.
- Attended Trainers Training Programme on “**Scaling up of water productivity in Agriculture for livelihood**” at RRTTS, OUAT, Chiplima, Sambalpur from 9<sup>th</sup> to 22<sup>nd</sup> Feb. 2010.
- Attended Trainings on “**Mushroom cultivation, Processing, marketing, mushroom food production and spawn production**” organized by CTMRT, OUAT, from 20<sup>th</sup> to 29<sup>th</sup> April 2006.
- Imparted training on “**Kharif onion**” in the training programme for the “Self employment of Gardener under NHM, Nursery Business Management, Orchard Management, Seed and Quality Material Production and Postharvest Management under NRLM” is being organized during the year 2012-13 and Horticulture Training Institute, Farm Road, Modipada, Sambalpur.
- Imparted Training on “**Gardening and Grafting**” as a resources person to the farmers of Anagul District at the progeny orchard organized by office of the Horticulturist, Anagul from 13<sup>th</sup> Dec. to 22<sup>nd</sup> 2009.

## PROFESSIONAL WORKSHOP ATTENDED

- Attended the **State level workshop on commercial cultivation black pepper** organized by Office of the DDH, Koraput on 02<sup>nd</sup> - 03<sup>rd</sup> September 2015 at DPMU Conference Hall, Koraput.
- Attended the **5<sup>th</sup> Annual group meeting of All India Network Research Project on Onion and Garlic** organized by Directorate of Onion and Garlic Research (DOGR), Rajgurnagar, Pune in collaboration with National Horticultural Research and Development Foundation (NHRDF), Nashik on 13<sup>th</sup> to 15<sup>th</sup> March 2014.
- Attended the workshop on **Status, prospects and perspectives or raising medicinal plants in Odisha** organized by OUAT in collaboration with the state medicinal plant Board and sponsored by National Medicinal Plant Board. New Delhi on 10<sup>th</sup> Dec 2008.
- Attended the workshop on **Management and monitoring of confined field trails of genetically engineered crops** organized by OUAT, Bhubaneswar under the sponsorship of Department of Biotechnology. Government of India and Biotech Consortium India Ltd. New Delhi on 3<sup>rd</sup> June 2009.

## EXTENSION LITERATURE PUBLISHED-05

- i. Sial P, **Sahoo B.B.**, Senapati N and Jagadeva P.N (2016) Organic Ginger cultivation (Oriya). All India Coordinated Research Project on Spices, High Altitude Research Station (OUAT), Pottangi, Koraput.
- ii. Sial P, Senapati N, Jagadeva P.N and **Sahoo B.B.** (2015) Weeds in Turmeric & Ginger (English). All India Coordinated Research Project on Spices, High Altitude Research Station (OUAT), Pottangi, Koraput.
- iii. Dash A.K, Mishra D, Senapati A.K, Maharana J, Swain S and **Sahoo B.B.** (2008) Organic Food Nutrition and Insect Pest Control to medicinal plants (Oriya). Facilitation Center of National Medicinal Plant Board in OUAT, College of Agriculture, OUAT, Bhubaneswar.
- iv. Dash A.K, **Sahoo B.B.** and Swain S (2008) Information on Herb Type medicinal plant cultivable in Odisha (Oriya). Facilitation Center of National Medicinal Plant Board in OUAT, College of Agriculture, OUAT, Bhubaneswar
- v. Dash A.K, Swain S and **Sahoo B.B.** (2008) Information on Shrub Type medicinal plant cultivable in Odisha (Oriya). Facilitation Center of National medicinal Plant Board in OUAT, College of Agriculture, OUAT, Bhubaneswar.

## TV & RADIO TALK DELIVERED-04

- A. **Sahoo B.B.** (2015) Onion and Garlic cultivation in our region (Oriya), **In:** All India Radio, Sambalpur, Odisha.
- B. **Sahoo B.B.** (2013) All about Onion cultivation (Oriya), **In:** All India Radio, Sambalpur, Odisha.
- C. **Sahoo B.B.** (2013) Scientific methods of Onion production (Oriya), **In:** Door Darshan, Sambalpur, Odisha.
- D. **Sahoo B.B.** (2013) Modern techniques of seedling preparation for *kharif* onion (Oriya), **In:** Door Darshan, Sambalpur, Odisha.

## BOOK CHAPTER PUBLISHED-03

1. Pradhan M., Tripathy P, Mandal P, **Sahoo B.B.**, Pradhan R, Mishra S.P and Mishra H.N, 2014. Impact of salicylic acid (SA) on shelf life of onion (*Allium cepa* L.) accepted by *Innovative horticulture: Concept for sustainable development, recent trends*. Edit. By Partha Sarathi Munisi, Swapan Kr. Ghosh, Nilesh Bhowmick and Prahlad Deb, New Delhi Publishers,90 Sainik Vihar, Mohan Garden, New Delhi-110059.
2. Tripathy P, **Sahoo B.B.**, Dash A and Dash D. K, 2014. Studies on Genetic Variability in *Kharif* Onion (*Allium Cepa* L.) **In:** *Innovative horticulture: Concept for sustainable development, recent trends*. Edit. By Partha Sarathi Munisi, Swapan Kr. Ghosh, Nilesh Bhowmick and Prahlad Deb, New Delhi Publishers,90 Sainik Vihar, Mohan Garden, New Delhi-110059,PP-149-154.
3. Mandal P. **Sahoo B.B.**, Nath M. R, Nath A, Mishra P and Pattanaik S. K, 2014. Comparative studies on different recipies & storability of Jamun (*syzygium cuminii* skeels) squash - an ideal beverage **In:** *Innovative horticulture: Concept for sustainable development, recent trends*. Edit. By Partha Sarathi Munisi, Swapan Kr. Ghosh, Nilesh Bhowmick and Prahlad Deb, New Delhi Publishers,90 Sainik Vihar, Mohan Garden, New Delhi-110059,PP-459-464.

## POPULAR ARTICLE-08

1. **Sahoo B.B** and Senapati N (2016) Onion scarcity can be resolve by improved cultivation practice (Odiya) **In:** *The Prameya, Volume 5, Issue 247. Jeypore, Thursday, 7 January 2016*, PP-12.
2. **Sahoo B.B** and Sahoo S.C (2012) Nanotechnology towards the betterment of Indian Horticulture (English) **In:** *Souvenir of Technical Education Vision-2030*, held on 15<sup>th</sup> & 16<sup>th</sup>, December-2012, By Indian Society for Technical Education Odisha Section and Synergy Institute of Engineering & Technology, Dhenkanal, Odisha, PP-54-55.
3. Mandal P and **Sahoo B.B** (2012) Enjoy value added delicacies of Aonla (English) **In:** *Souvenir of Fruit festaival-2012*, Directorate of Horticulture and Odisha Horticulture Development Society, Bhubaneswar, PP-36-39.
4. **Sahoo B.B** and Mandal P (2012) Post harvest Management of fruits for export (English) **In:** *Souvenir of Fruit festaival-2012*, Directorate of Horticulture and Odisha Horticulture Development Society, Bhubaneswar, PP-21-24.
5. **Sahoo B.B** (2011) Mahosadhi Tulasi (Oriya) **In:** *The Utkal Prasanga*, May, 2011, Department of Information and Public Relation, Govt. of Odisha, Loka Samparak Bhawan, Bhubaneswar-751001. PP-28-30.
6. **Sahoo B.B** and Swain S.C. (2010) Organic Chili Cultivation (Oriya) **In:** *Krushak Bandhu Annapurna*, March, 2010, Sagarika publication, B-004, Krishna Tower, Nayapalli, Bhubaneswar-751012, PP: 15 – 17.
7. **Sahoo B.B** and Swain S.C. (2010) Cultivation of Garlic in winter (Oriya) **In:** *Krushak Bandhu Annapurna*, January, 2010, sagarika publication, B-004, Krishna Tower, Nayapalli, Bhubaneswar-751012, PP:28-29
8. **Sahoo B.B** and Swain S.C. (2009) Medicinal Properties of Garlic (Oriya) **In:** *Krushak Bandhu Annapurna*, November, 2010, Sagarika publication, B-004, Krishna Tower, Nayapalli, Bhubaneswar-751012, PP: 34-35.

### SEMINAR, SYMPOSIUM & CONFERENCE PARTICIPATION-13

1. National symposium on “New horizons in pest management for sustainable development goals” held at OUAT, Bhubaneswar, on 23-24 December 2016.
2. National seminar on “Horticultural Diversity for Prosperity” held at OUAT, Bhubaneswar, Odisha on 10-12 February 2016.
3. National seminar on “*Integrated approaches in horticulture for sustainable development*” held at Visva-Bharati, Sriniketan, West Bengal on 29 – 30<sup>th</sup> November 2014.
4. International seminar on “*Integrating Agriculture & Allied Research: Prioritizing Future Potentials for Secure Livelihoods*” held at BCKV, Kalyani, West Bengal on 6-9 November 2014.
5. International conference on “*Bio-resource and Stress Management*” held at science city Kolkata, West Bengal on 6-9 February 2013.
6. National symposium on “*Eco-friendly Approaches to Pest Management for sustainable Agriculture*” held at OUAT, Bhubaneswar, Odisha on 24-25 November 2012.
7. Golden jubilee seminar on “*Advances in Agricultural Research towards Food security and Environmental Sustenance*” held at Visva-Bharati, Sriniketan, West Bengal on 1-3, September, 2012.
8. Global Conference on “*Horticulture for food, Nutrition and Livelihood options*” held at OUAT, Bhubaneswar, Odisha on 28-31, May, 2012.
9. National Symposium on “*Rice-Based farming systems for livelihood security under changing climatic scenario*” held at OUAT, Sambalpur, Odisha on 27-29, February, 2012.
10. National Symposium on “*Emerging Trends in Pest Management Strategies under changing climatic scenario*” held at OUAT, Bhubaneswar, Odisha on 20-21, December 2010.
11. National Seminar on “*Sustainable Agriculture and food security: Challenges and opportunities*” held at OUAT, Bhubaneswar, Odisha on 29-30, November 2010.
12. National Seminar on “*Application of Biotechnology in Bio Fertilizer*” sponsored by Dept. of Biotechnology, Govt. of India held at CYSD, Bhubaneswar, Odisha on 17 June, 2006.
13. National Symposium on “*Bio- technology for Rural Development*” cum 29<sup>th</sup> Annual conference of Odisha Botanical Society held at Ravens haw (Autonomous) College, Cuttack, Odisha during 18 – 19, December, 2004.

## SEMINAR, SYMPOSIUM & CONFERENCE PRESENTATION-44

1. Tripathy P, **Sahoo BB**, Patel D and Dash DK (2016) Field screening of garlic (*Allium sativum* L.) Genotypes for tolerance to onion thrips (*Thrips tabaci* Lindeman) and purple blotch (*Alternaria porri* L.) Abstract of National Seminar on new horizons in pest management for Sustainable developmental goals to be held at College of Agriculture, OUAT, Bhubaneswar - 751003, Odisha on 24-25 December, 2016.PP-1-2.
2. Pradhan M, Tripathy P, Mandal P, **Sahoo BB** and Sahoo SR(2016) Effect of salicylic acid (SA) on incidence of Purple blotch (*Alternaria porri*) in onion (*Allium cepa* L.), Abstract of National Seminar on Edible *Alliums*: Challenges and future strategies for sustainable production held at Jalna, Maharashtra on 7<sup>th</sup> -9<sup>th</sup> November 2016. PP-266.
3. Tripathy P, **Sahoo BB** and Dash DK (2016) Standardization of Rabi onion, Abstract of National Seminar on Edible *Alliums*: Challenges and future strategies for sustainable production held at Jalna, Maharashtra on 7 -9<sup>th</sup> November 2016, PP-186.
4. Tripathy P, **Sahoo BB** and Dash DK (2016) Efficacy of integrated nutrient management modules on growth, yield & shelf life of onion (*Allium Cepa* L.), Abstract of National Seminar on Edible *Alliums*: Challenges and future strategies for sustainable production held at Jalna, Maharashtra on 7 -9<sup>th</sup> November 2016. PP-252.
5. Tripathy P, **Sahoo BB**, Dash A and Dash DK (2016) Genetic variability in Rabi onion (*Allium cepa* L.), Abstract of National Seminar on Edible *Alliums*: Challenges and future strategies for sustainable production held at Jalna, Maharashtra on 7 -9<sup>th</sup> November 2016. PP-186.
6. Tripathy P, **Sahoo BB** and Dash DK (2016) Assessment of Rabi Onion (*Allium cepa* L.) cultivars suitable for Western Table Land Zone of Odisha, Abstract of National Seminar on, "Horticultural Diversity for Prosperity" held at Department of Horticulture, College of Agriculture, OUAT, Bhubaneswar - 751003, Odisha on 10-12th February, 2016.PP-21.
7. Sial P, Das G, Tarai RK, **Sahoo BB** and Senapati N(2016) Collection, characterization, evaluation and conservation of turmeric germplasm in eastern ghat high land zone of Odisha, Abstract of National Seminar on "Horticultural Diversity for Prosperity" held at Department of Horticulture, College of Agriculture, OUAT, Bhubaneswar - 751003, Odisha on 10-12th February, 2016.PP-38.
8. Tripathy B, Sharma D, Mishra A and **Sahoo BB** (2016)Biodynamic farming in vegetable crops, Abstract of National Seminar on "Horticultural Diversity for Prosperity" held at Department of Horticulture, College of Agriculture, OUAT, Bhubaneswar - 751003, Odisha on 10-12th February, 2016.PP-105.
9. Parmanaik K, Tripathy P, Mandal P, Pradhan M and **Sahoo BB** (2016) Effect of micronutrients on quality of onion (*Allium cepa* L.), Abstract of National Seminar on "Horticultural Diversity for Prosperity" held at Department of Horticulture, College of Agriculture, OUAT, Bhubaneswar - 751003, Odisha on 10-12th February, 2016.PP-127.
- 10.Pradhan M, Tripathy P, Mandal P, **Sahoo BB** Sahoo SR and Das AK (2016) Effect of Salicylic acid(SA) on onion thrips ( *Thrips tabaci*), Abstract of National Seminar on "Horticultural Diversity for Prosperity" held at Department of Horticulture, College of Agriculture, OUAT, Bhubaneswar - 751003, Odisha on 10-12th February, 2016.PP-165.
- 11.Dalei BB, **Sahoo BB**, Nayak L, Mena MK, Behera BR and Senapati N (2015) Effect of paper mill sludge along with organic and inorganic nutrients on growth and yield of turmeric (*curcuma longa*), Abstract of National Seminar on “ Soil health: key to sustainable agriculture”(SHKSA) held at Palli Siksha Bhavan, Visva-Bharati, Sriniketan,(WB) on 14, November’2015.PP-47.
- 12.Dalei BB, Nayak L, **Sahoo BB**, Mena MK, Behera BR and Senapati N (2015) Effect of weed management on growth, yield & economics of niger [*Guizotia abyssinica*(L.f.) Cass], Abstract of National Seminar on “ Emerging weed problems and their management in major field crops” held at OUAT, Bhubaneswr during 8-9, October’2015.PP-190-192.

13. Pradhan M, Tripathy P, Mandal P, **Sahoo BB**, Pradhan R, Mishra SP and Mishra HN (2015) Efficacy of Salicylic Acid (SA) on nutrient uptake of Onion (*Allium cepa* L.), Abstract of National Symposium on food and Nutrition: need for the future held at Institute of Agricultural Science, University of Calcutta, 51/2, Hazra Road, Kolkata (WB) during 25<sup>th</sup> -27<sup>th</sup> February, 2015, PP-31.
14. Das S, **Sahoo BB**, Tripathy P and Dash DK (2015) Promoting ITK for sustainable production of onion and garlic in Odisha, Abstract of International Conference on Global Social Science Conferences-2015 on Management of Sustainable Livelihood Systems held at OUAT, Bhubaneswar during 14-17, February'2015.PP-285.
15. Tripathy P, **Sahoo BB** and Patel D (2015) Population dynamics and seasonal incidence of onion thrips (*Thrips tabaci*) and purple blotch (*Alternaria porri*) in Odisha, Abstract of National symposium on "Agrochemicals for food and environmental safety" held at IARI, New Delhi, India during 28-30, January'2015.PP-28.
16. Tripathy P, Pradhan M, Mandal P, **Sahoo BB**, Pradhan R, Mishra S.P and Mishra H.N (2015) Salicylic acid (SA) in the management of purple blotch disease in onion (*Allium cepa* L.), Abstract of National symposium on "Agrochemicals for food and environmental safety" held at IARI, New Delhi, India during 28-30, January'2015.PP-21.
17. Pradhan R, Pattnaik AK, Tripathy P, Pradhan M, Mallikarjuna K, and **Sahoo BB** (2015) Efficacy of sulphur fertilization towards soil fertility in onion (*Allium cepa* L.), Abstract of *International Conference on Bio-resource and Stress Management* held at University Auditorium, Prof. Jayashankar Telangana State Agricultural University (PJTSAU), Rajendranagar, Hyderabad, India during 7-10<sup>th</sup> January' 2015.PP-181.
18. Pradhan M, Tripathy P, Mandal P, **Sahoo BB**, Pradhan R, Mishra SP and Mishra HN, (2015) Effect of Salicylic Acid on Growth and Bulb yield of Onion (*Allium cepa* L.), Abstract of *International Conference on Bio-resource and Stress Management* held at University Auditorium, Prof. Jayashankar Telangana State Agricultural University (PJTSAU), Rajendranagar, Hyderabad, India during 7-10<sup>th</sup> January' 2015.PP-226.
19. Tripathy P, **Sahoo BB**, Dash A and Dash DK (2014) Studies on Genetic Variability in *Kharif* Onion (*Allium Cepa* L.), Abstract of National seminar on "Integrated approaches in horticulture for sustainable development" held at Visva-Bharati, Sriniketan, West Bengal on 29 – 30<sup>th</sup> November '2014, T-2, PP-3.
20. Pradhan M, Tripathy P, Mandal P, **Sahoo BB**, Pradhan R, Mishra SP. and Mishra HN (2014) Impact of Salicylic Acid (SA) on Shelf Life of Onion (*Allium cepa* L.), Abstract of National seminar on "Integrated approaches in horticulture for sustainable development" held at Visva-Bharati, Sriniketan, West Bengal on 29 – 30<sup>th</sup> November '2014, T-6, PP-14.
21. Mandal P. **Sahoo BB**, Nath MR, Nath A, Mishra P and Pattanaik SK (2014) Comparative studies on different recipes & storability of Jamun (*syzygium cuminii* skeels) squash - an ideal beverage, Abstract of National seminar on "Integrated approaches in horticulture for sustainable development" held at Visva-Bharati, Sriniketan, West Bengal on 29 – 30<sup>th</sup> November '2014, T-6, PP-5.
22. Panda N, Mandal P, Das BC, Mohanty S, **Sahoo BB**, and Dash DK (2014) Impact of farm yard manure, poultry manure and vermicompost with and without *Azospirillum* on soil biological properties growth and yield of tomato (*Lycopersicum esculentum* L.), Abstract of National conference of plant physiology (NCP-2014) held at OUAT on 23-25 November '2014, T-6, PP-202.
23. Triparthy P, **Sahoo BB**, Patel D, Priyadarsini A, Das SK and Dash DK(2014) Studies on management of foliar diseases in onion(*Allium cepa* l.), Abstract of International seminar on "Integrating Agriculture & Allied Research: Prioritizing Future Potentials for Secure Livelihoods" held at BCKV, Kalyani, on 6-9 November' 2014.PP-193.



24. Pradhan R, Pattnaik AK, Tripathy P, Rao K M, **Sahoo BB** and Lenka J(2014) Nutrient uptake of onion (*Allium cepa* L.) as influenced by sulphur fertilization, Abstract of International seminar on “Integrating Agriculture & Allied Research: Prioritizing Future Potentials for Secure Livelihoods” held at BCKV, Kalyani, on 6-9 November’ 2014. PP-98.
25. Tripathy P, **Sahoo BB**, Das SK, Priyadarsini A, Patel D and Dash DK(2014) Adoption of IPM approach-An ideal module against thrips (*Thrips tabaci* Linderman) in onion, Abstract of “2<sup>nd</sup> International conference on agricultural and horticultural science” held at Radisson Blue Plaza Hotel, Hyderabad, India on 3-5 February’ 2014. PP-58.
26. Tripathy P, Priyadarshini A, Das SK, **Sahoo BB** and Dash DK(2013) Evaluation of onion (*Allium cepa* L) genotypes for tolerance of Thrips (*Thrips tabaci* Lindeman) and Purple blotch (*Alternaria porri*), Abstract of International conference on “Bio-resource and Stress management” held at science city Kolkata on 6-9 February’ 2013. PP-4.10.
27. Tripathy P, **Sahoo BB**, Priyadarshini A, Das SK and Dash DK(2013) Effect of source and levels of sulphur on growth, yield and bulb quality of onion (*Allium cepa* L), Abstract of International conference on “Bio-resource and Stress management” held at science city Kolkata on 6-9 February’ 2013. PP-4.3
28. Tripathy P, **Sahoo BB**, Priyadarshini A, Das SK, Patel D and Dash DK(2012) Screening of Onion cultivars against Thrips (*Thrips tabaci*) and Purple Bloch (*Alternaria porri*), Abstract of International conference on “Plant Health Management for Food Security ” held at PPAI, Hyderabad on 28-30 November’ 2012, PP-203.
29. Tripathy P, **Sahoo BB**, Priyadarshini A, Das SK, Dash DK and Mohapatra RN. (2012) Screening of Rabi Onion (*Allium cepa* L) genotypes for tolerance to Thrips (*Thrips tabaci* Lindman) and purple blotch (*Alternaria porri*) under Odisha condition, Abstract of National symposium on “Eco-friendly Approaches to Paste Management for sustainable Agriculture” held at OUAT on 24-25 November’ 2012, PP- 59.
30. Tripathy P, Priyadarshini A, **Sahoo BB**, Das SK, and Dash DK (2012) Evaluation of Garlic cultivars against pastes and diseases under Odisha condition, Abstract of National symposium on “Eco-friendly Approaches to Paste Management for sustainable Agriculture” held at OUAT on 24-25 November’ 2012, PP- 111.
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44. **Sahoo BB** and Sanyal D (2004), Shelf-life and Quality Changes of Tomato due to Post harvest treatments with NAA, GA<sub>3</sub>, MAP and PMAP, Abstract of papers of *Plant Science Research* of National Symposium on “Bio- technology for Rural Development ” cum 29<sup>th</sup> Annual conference of Odisha Botanical Society held at Ravenshaw (Autonomous) College, Cuttack on 18-19 December’ 2004. PP:-4.

## NATIONAL PUBLICATION - 17

| Sl No | Name of the authors   | Year of Publication | Title of Article  | Details of Journal with DOI   | NASS rating |
|-------|---|---------------------|---|---|-------------|
| 1     | <b>Sahoo BB</b> ,<br>Senapati N,<br>Achraya P, Nayak<br>L, Behera BR,<br>Dalei BB &<br>Meena MK           | (2016)              | Integrated management of Rhizome rot in Ginger ( <i>Zingiber officinale</i> Rosc.) under changing climatic condition at EGHL zone of Odisha | <i>Indian Journal of Plant Protection</i><br>(communicated)           | 5.07        |
| 2     | Sial P,<br><b>Sahoo BB</b> ,<br>Behera SK &<br>Senapati N   | (2016)              | Popularization of off-season coriander ( <i>Coriandrum sativum</i> L.)cultivation in eastern ghat high land zone of Odisha,                 | <i>Indian Journal of Hill Farming</i> ,<br><b>29</b> (1), P-94-98.    | 4.39        |
| 3     | Pradhan M,<br>Tripathy P,<br>Mandal P,<br><b>Sahoo BB</b> ,<br>Pradhan R,<br>Mishra SP. &<br>Mishra HN    | (2015)              | Efficacy of Salicylic acid on nutrient uptake in Onion( <i>Allium cepa</i> L.).   | <i>Indian Agriculturist</i> ,<br><b>59</b> (1):21-27.                 | 4.11        |
| 4     | Pradhan R,<br>Pattnaik A. K.,<br>Tripathy P,<br>Mallikarjunarao K,<br><b>Sahoo B. B</b> &<br>Lenka J      | (2014)              | Influenced of sulphur fertilization on nutrient uptake of onion ( <i>Allium cepa</i> L.)  | <i>Journal of Crop and Weed</i> . <b>11</b> (Specia l issue):134-138. | 5.28        |
| 5     | Pradhan R,<br>Pattnaik A. K.,<br>Tripathy P,<br>Mallikarjunarao K,<br><b>Sahoo B. B</b> &<br>Lenka J      | (2014)              | Effect of Sulphur on growth and yield of Onion ( <i>Allium cepa</i> L.)   | <i>Indian Agriculturist</i> .<br>58(2):77-81                          | 4.11        |
| 6     | Pradhan M,<br>Tripathy P,<br>Mandal P,<br><b>Sahoo B.B</b> ,<br>Pradhan R,<br>Mishra S.P. &<br>Mishra H.N | (2014)              | Effect of Salicylic acid on Bulb yield, quality and storage life of Onion ( <i>Allium cepa</i> L.)  | <i>Indian Agriculturist</i> .<br>58(2):<br>65-69                      | 4.11        |
| 7     | Tripathy P,<br>Patel D,<br><b>Sahoo B.B</b> ,<br>Priyadarsini A,<br>Das S.K &<br>Dash D.K                 | (2014)              | Studies on management of foliar diseases in onion ( <i>Allium cepa</i> L.).   | <i>Journal of Crop and Weed</i> ,<br>10(2):<br>457-460.               | 5.28        |
| 8     | Tripathy P,<br>Das S.K,<br>Priyadarsini A,<br><b>Sahoo B.B</b> ,<br>Dash D.K &<br>Rath L.K                | (2013)              | Field efficacy of some botanicals against onion Thrips under Odisha condition.  | <i>Indian Journal of Plant Protection</i> ,<br>41(2):<br>182-183.     | 5.07        |
| 9     | Tripathy P,<br><b>Sahoo B.B</b> ,<br>Patel D &<br>Dash D.K  | (2013)              | Weed management studies in onion ( <i>Allium cepa</i> L.)..   | <i>Journal of Crop and Weed</i> ,<br>9(2):210-212                     | 5.28        |

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| 10 | <b>Sahoo B.B,</b><br>Das B.C,<br>Mandal P and<br>D Katiyar                             | (2013) | Effect of various postharvest treatments on percentage of shrinkage and spoilage of tomato ( <i>Lycopersicon esculentum</i> mill).                      | <i>HortFlora Research Spectrum,</i><br>2(3): 247-250.             | 3.78 |
| 11 | <b>Sahoo B.B,</b><br>Das B.C,<br>Mandal P and<br>D Katiyar                             | (2013) | Response of Different Post Harvest Treatments on Physiological Loss in Weight and Changes in Colour of Tomato ( <i>Lycopersicon esculentum</i> Mill.).  | <i>HortFlora Research Spectrum,</i><br>2(4):356-359.              | 3.78 |
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| 13 | Mandal P,<br><b>Sahoo B.B,</b><br>Das B.C &<br>D Katiyar                               | (2013) | Studies on processing and storage stability of Aonla ( <i>Emblica officinalis</i> Gaertn) nectar.   | <i>HortFlora Research Spectrum,</i><br>2(3):259-261.              | 3.78 |
| 14 | Mandal P,<br><b>Sahoo B.B,</b><br>Das B.C &<br>D Katiyar                               | (2013) | Studies on Processing and Storage Stability of Aonla ( <i>Emblica officinaisl</i> Gaertn) RTS.  | <i>HortFlora Research Spectrum,</i><br>2(4):369-371.              | 3.78 |
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| 16 | Tripathy P,<br><b>Sahoo B.B,</b><br>Patel D, Das S.K,<br>Priyadarsini A. &<br>Dash D.K | (2013) | Validation of Integrated Pest Management module against onion Thrips ( <i>Thrips tabaci</i> Linderman) in Onion.  | <i>Indian Journal of Entomology,</i><br>75(4):298-300.            | 5.89 |
| 17 | Tripathy P,<br>Priyadarsini A,<br>Das S.K,<br><b>Sahoo B.B</b> &<br>Dash D.K           | (2012) | Population Dynamics & Seasonal Incidence of Onion Thrips ( <i>Thrips tabaci</i> ) and Purple Blotch ( <i>Alternaria porri</i> ) under Odisha condition. | <i>Indian Journal of Plant Protection.</i><br>40 (4):<br>344-346. | 5.07 |

## INTERNATIONAL PUBLICATION-16

| Sl No | Name of the authors   | Year of Publication | Title of Article   | Details of Journal with DOI   | NASS rating |
|-------|---|---------------------|--|---|-------------|
| 1     | Pradhan M, Tripathy P, Mandal P, <b>Sahoo BB</b> , Pradhan R, Mishra SP & Mishra HN | (2016)              | Effect of Salicylic Acid on Growth and Bulb Yield of Onion ( <i>Allium Cepa</i> L.)  | <i>International Journal of Bio-resource and Stress Management</i> , 7(4):960-963. DOI: 10.5958/0976-4038.2016.00154.8                              | 4.65        |
| 2     | Tripathy P, <b>Sahoo BB</b> & Patel D   | (2016)              | Impact of planting dates on population dynamics and seasonal incidence of onion thrips and purple blotch,  | <i>New Agriculturist</i> , 27(1): 145–150.  | 4.26        |
| 3     | Tripathy P, <b>Sahoo BB</b> & Dash DK   | (2016)              | Evaluation of <i>Rabi</i> Onion ( <i>Allium cepa</i> L.) Genotypes under Western Table Land Zone of Odisha,  | <i>International Journal of farm Sciences</i> , 6(3): 216-222.  | 4.01        |
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| 5     | Dalei BB, Meena MK, Nayak L, Behera BR, <b>Sahoo BB</b> & Senapati N                | (2016)              | Impact of Front Line Demonstration on Production and Productivity of Niger [ <i>Guizotia abyssinica</i> (L.f.) Cass] in Eastern Ghat High Land zone of Odisha,   | <i>International Journal of Bio-resource and Stress Management</i> ,7(3):477-479. DOI: 10.5958/0976-4038.2016.00076.2                               | 4.65        |
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| 7     | Tripathy P, <b>Sahoo BB</b> , Patel D & Dash DK                                     | (2016)              | Evaluation of Integrated Nutrient Management Modules for Garlic ( <i>Allium sativum</i> L.),   | <i>Environment &amp; Ecology</i> , 35(1):78-83.   | 4.18        |
| 8     | Tripathy P, <b>Sahoo BB</b> , Patel D & Dash DK                                     | (2016)              | Efficacy of sulphur on growth, yield and bulb quality in onion ( <i>Allium cepa</i> L.),   | <i>Journal of spices and aromatic crops</i> , 25(1):60-64.  | 4.85        |
| 9     | Panda N, <b>Sahoo BB</b> , Mandal P, Nayak BR & Dash DK                             | (2015)              | Comparative Efficacy of Farm Yard Manure, Poultry Manure and Vermicompost with and without <i>Azospirillum</i> on Soil Biological Properties, Growth and Yield of Tomato ( <i>Lycopersicum esculentum</i> L.), | <i>Environment &amp; Ecology</i> , 33 (4C): 2041-2046.  | 4.18        |
| 10    | <b>Sahoo BB</b> , Kole PC & Sahoo MR  | (2015)              | Effects of $\gamma$ -Irradiation on Leaf Blight Disease of some Taro [ <i>Colocasia esculenta</i> (L.) Schott] Genotypes.  | <i>International Journal of Bio-resource and Stress management</i> , 6(1):007-014. DOI: 10.5958/0976-4038.2015.00002.0                              | 4.65        |

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| 11 | Tripathy P,<br><b>Sahoo B.B</b> ,<br>Priyadarsini A,<br>Patel D &<br>Dash D.K            | (2014) | Spray Scheduling for Management of Foliar Diseases in Onion ( <i>Allium cepa</i> L.)   | <i>International Journal of Bio-resource and Stress management</i> , 5(4):549-552.DOI:10.5958/0976-4038.2014.00612.5 | 4.65 |
| 12 | Tripathy P,<br><b>Sahoo B.B</b> ,<br>Das SK,<br>Priyadarshini A<br>Patel D &<br>Dash D.K | (2014) | Adoption of IPM Approach- An Ideal Module against Thrips ( <i>Thrips tabaci Linderman</i> ) in Onion.  | <i>Advances in Crop Science and Technology</i> Volume 2•Issue 4•1000136  | -    |
| 13 | Mandal P &<br><b>Sahoo B.B</b>   | (2014) | Studies on Processing and Storage Stability of Bael ( <i>Aegle Marmelos Correa</i> ) Squash for Nutritional Security.  | <i>Progressive Agriculture-An International Journal</i> , 5 (1):62-64.   | 4.29 |
| 14 | Triparthy P,<br><b>Sahoo B.B</b> ,<br>Priyadarshini A<br>Das S.K &<br>Dash D.K           | (2014) | Standardization of <i>kharif</i> onion cultivars.  | <i>International Journal of Bio-resource and Stress management</i> , 5(2):269-274.                                   | 4.65 |
| 15 | Tripathy P,<br><b>Sahoo B.B</b> ,<br>Priyadarshini A<br>Das S.K &<br>Dash D.K            | (2013) | Effect of source and levels of sulphur on growth, yield and bulb quality of onion ( <i>Allium cepa</i> L.)..   | <i>International Journal of "Bio-resource and Stress management</i> , 4(4):641-644                                   | 4.65 |
| 16 | Tripathy P,<br>Priyadarshini A<br>Das S.K,<br><b>Sahoo B.B</b><br>& Dash D.K             | (2013) | Evaluation of onion ( <i>Allium cepa</i> L.) genotypes for tolerance of Thrips ( <i>Thrips tabaci</i> Lindeman) and Purple blotch ( <i>Alternaria porri</i> ). | <i>International Journal of Bio-resource and Stress management</i> , 4(4):562-565.                                   | 4.65 |

### LANGUAGE PROFICIENCY

| LANGUAGE KNOWN | SPEAK | READ | WRITE |
|----------------|-------|------|-------|
| ODIYA          | √     | √    | √     |
| ENGLISH        | √     | √    | √     |
| HINDI          | √     | √    | √     |
| BENGALI        | √     | √    | -     |

### REFERENCES

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| <b>Dr. P. C. Kole</b><br>Professor Horticulture &<br>Plant Breeding.<br>Department of CIHAB<br>PSB ( <i>Institute of Agriculture</i> )<br>Visva – Bharati,<br>Santiniketan – 731236<br>West Bengal, India<br>(M): (+91) 9474413136<br>Email:- pckole@rediffmail.com | <b>Dr. P. Tripathy</b><br>Associate Professor,<br>Department of Vegetable Science<br>College of Agriculture<br>Odisha University of Agriculture<br>&Technology,<br>Bhubaneswar-751003<br>Odisha, India<br>(M) : (+91) 9438867762<br>Email:ptripathy_ouat05@rediffmail.com | <b>Dr. N. Senapathy</b><br>Associate Director of Research,<br>Regional Research & Technology<br>Station (OUAT), Semiliguda.<br>Post Box No:10,<br>Sunabeda<br>Koraput-763002<br>Odisha, India<br>(M) : (+91) 9437005225<br>Email:niranjanpbg@gmail.com |
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