

## DR. JITENDRA SINGH

Scientist – C (Environmental Science),  
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**Education:** B.Sc. (Bio.), M.Sc. (Env.Sci), Ph.D(Env. Sci.), NET (Env.Sci)

### Objective:

- ❖ To be part of dynamic and research oriented academic society and to achieve fruitful and distinguish results through research (R&D) and teaching activities.

### Educational Qualification:

- ❖ **Ph.D.(Environmental Science):** In 2011 from Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad. Thesis entitled “**Adsorption of Metal Cation in Sewage Sludge Applied Soil and Its Behaviour in Vegetables**” with 7.2 CGPA.
- ❖ **M.Sc. (Environmental Science) :** In 2004 from Veer Bahadur Singh Purvanchal University, Jaunpur, U.P. Project work entitled “**Physico- Chemical Properties of Bhanser Soil**” with 63.1%.
- ❖ **B. Sc. (Bioscience) :** In 2002 from Veer Bahadur Singh Purvanchal University, Jaunpur, U.P with 49.0%.

### Professional Qualification:

- ❖ **NET. (Environmental Science):** In 2012 from Indian Council of Agricultural Research (ICAR), New Delhi with 60%.

### Appointment: (Experience)

Designation	From	To	Area specialized
Research Associate ((NICRA PROJECT), NCIPM, New Delhi)	6, April, 2011	31, Oct, 2015	Forewarning and modeling of pest and disease, Pest dynamics and climate change
Scientist – B (CTR&TI, Ranchi)	09, Nov, 2015	30, June, 2019	IPM in tasar food plant and silkworm, Attractants / Repellant for pest control

Scientist-C (CTR&TI, Ranchi)	01, July, 2019	Till date	INM in Tasar food plants and By Product Utilization
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## AWARDS

- ❖ **Young Scientist Award** : In 2012 on the occasion of **14<sup>th</sup> Indian Agricultural Scientist and Farmers congress on diversification Agricultural and Agripreneurship** on 18-19 Feb at SIEMAT Allahabad in Bioved Research Institute of Agriculture & Technology, Allahabad & Vigyan Prasar, Department of Science & Technology, Govt. of India for outstanding contribution in the field of Environmental Science.
- ❖ **Best Poster Award** : In 2012 in **International conference on “Plant Health Management for Food Security”** for poster presentation entitled “Discription Damage, Scenario, Weather Based Prediction and Management of Mirid Bug (*Campylomma livida* Reuter: Miridae: Hemiptera) on Rainfed Cotton of Central India” Nov, 28-30.
- ❖ **Best Poster Award** : In 2015 in **International conference on “Natural Resource Management for Food Security and Rural Livelihoods** “for poster presentation entitled “Weather based forewarning of rice yellow stem borer, *S. incertulas* (walker) at raipur (chattisgarh, India)” Feb, 10-13

## CONTRIBUTION IN TECHNOLOGIES DEVELOPED

- ❖ **Neem Based Pesticides:** Formulation & implementation of *Neem Based Pesticide* for control of bark eater & defoliators in tasar food plants (As a **Principal Investigator**).
- ❖ **GeoPest-DSS Model** : **Geo Pest-DSS (Geospatial Pest Decision Support System)**, a decision support system (DSS) integrating weather based forewarning and management of major insect pests and diseases of mustard has been developed using GIS interface under a DST funded project **Web Enabled Weather Based Decision Support System for Forewarning and Management of Important Insect Pests and diseases of Rapeseed-Mustard in Delhi National Capital Region – A Pilot Study** at the Division of Agri- Physics, IARI, New Delhi. (As a **Research Associate**)
- ❖ **Crop Pest DSS Model** : **Crop Pest DSS**, a Decision Support System (DSS) integrates a user-friendly front end to often-complex models, knowledge bases, expert

systems, and database technologies. It helps for Weather based forewarning of pest (Mirid bug, Jassid and Thrips) in cotton crop) in National Agricultural Innovation Project (NAIP) at CRIDA, Hyderabad. (As a **Research Associate**)

- ❖ **DSS Model**, a Decision Support System (DSS) for weather based forewarning of pest and disease of Rice, Groundnut, Pigeonpea and Tomato targeted crop crops in NICRA Project at National Centre for Integrated Pest Management (NCIPM), New Delhi 110012. (As a **Research Associate**)

### Concluded and Ongoing Projects

#### Concluded Project (as a PI/CI)

Title of the Project	Whether completed or in progress	Duration	Amount of grant (Lakh Rs)	Sponsoring Agency	Output
ARE- 4710: 'Studies on the seasonal incidence, biology and management of yellow fly, <i>Xanthopimpla pedator</i> in tasar cultivation'. (PI)	<b>Completed</b>	March, /2016 to Feb. 2019	16.00	Central Silk Board	Chemicals identified as attractant for yellow fly trap development
ARE- 4719: 'Studies of population dynamics of stem borer (s) in tasar host plant and their management through IPM approaches'. (PI)	<b>Completed</b>	Sept. 2016 to Aug, 2019	16.00	Central Silk Board	IPM package for control of stem borer in tasar food plants
PRE-4720: 'Efficacy of selected insecticides in controlling the Gall fly, <i>Trioza fletcheri</i> Minor infecting tasar host plants' (CI)	<b>Completed</b>	Sept., 2016 to Aug, 2019	6.00	Central Silk Board	Chemical identified for control of Gall insect in tasar food plant

#### Ongoing Project (as a PI/CI)

Title of the Project	Whether completed or in progress	Duration	Amount of grant (Lakh Rs)	Sponsoring Agency	Output
PIN 04001SI - Development of a package for optimum nutritional requirement of tasar host	<b>Ongoing</b>	Feb, /2019 to Jan. 2021	6.00	Central Silk Board	INM package for tasar food plants.

plants for production of quality tasar cocoons. (PI)					
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### Supervision/guided of M. Sc/ PGDS students( Dissertation /Case study)

- ❖ “Assessment of suitable brushing date, brushing direction and microclimate for quality cocoon production”.
- ❖ “Assessment of suitable indoor weather condition for quality Dfls production of Tasar silkworm”.
- ❖ “Management of stem borer and bark eater in tasar food plants”.
- ❖ “Assessment of suitable microclimate for tasar silkworm at Giridih, Region of Jharkhand”.
- ❖ “Assessment of suitable adaptation techniques for production of Tasar silkworm *A. Mylitta D* under the impact of climate change”.
- ❖ “Assessment of bark eater infestations and its management in Arjuna, *Terminalia arjuna*”.
- ❖ “Assessment of soil health for higher qualitative and quantitative cocoon production”.
- ❖ Impact of brushing date and direction on pest severity and cocoon production of tasar silkworm *Antheraea mylitta D*”.

### WINTER / SUMMER SCHOOL/ TRAINING CERTIFICATE

- ❖ Three days training (4-6, January, 2017) on “Quarantine Procedures” at NSSO, Bangalore.
- ❖ Four days training (17-22, Feb, 2017) on “Faculty Development Programmme” at CTR&TI, Ranchi.
- ❖ Two week (22/02/2016 - 08/03.2016) “**Foundation training for newly inducted Scientist**” in Central Silk Board at Banglore, Mysure and Ladohigarh.
- ❖ 21days practical training (05-25/07/206) on **Farmer exposure, Basic seed multiplication and Grainage activities** at BST&TC, Kathikund.
- ❖ Orientation training programme on “**Central Sector Scheme**” from 03 - 07/10/2016 at CTR&TI, Ranchi.
- ❖ ICAR- Sponsored *Winter School* on “**Soil- Plant- Water Under Conservation Tillage Practices For Sustainable Development**” during 5 - 25 November, 2014 at Division of Agricultural Physics, IARI, New Delhi 110012.

- ❖ Four days training on “**Simulation of Climate Change Impact on Crop Pest Interaction**” in Centre of Environmental Science and Climate Resilient Agriculture (CESCRA) IARI, New Delhi.
- ❖ One weeks training on “**Assessment of Soil-Plant -Atmosphere System for Improving Resource Use Efficiency in Agriculture**” in the Division of Agricultural Physics, IARI, New Delhi 110012.
- ❖ One weeks training on “**Environmental Resource Use Management for Sustainable Agriculture**” in Centre of Environmental Science and Climate Resilient Agriculture (CESCRA) IARI, New Delhi.
- ❖ One weeks training (TEQIP-II Sponsored Faculty Development Programme) On **Urban Environmental Challenges and Their Control Strategies (UECCS-2015)** in the Department of Environmental Engineering at Delhi Technological University (DTU), Delhi
- ❖ Ten days training on “**Production and Quality Control of Organic Farming In-Put**” under **National Organic Farming Project** at Allahabad Agricultural Institute Deemed University, Allahabad.
- ❖ Three months training on “**Basic Application of Remote Sensing, G.I.S and GPS**” offered by Indian Institute of Remote Sensing (IIRS) Department of Space Dehradune through **EDUSAT** in the Division of Agricultural Physics, IARI, New Delhi 110012.
- ❖ One and half months training 13 Feb to 30 march 2012 on “ **Hyperspectral Remote Sensing**” offered by Indian Institute of Remote Sensing (IIRS) Department of Space Dehradune through EDUSAT in the Division of Agricultural Physics, IARI, New Delhi 110012.
- ❖ Two months training on “**Microwave Remote Sensing for Natural Resources**” offered by Indian Institute of Remote Sensing (IIRS) Department of Space Dehradune through **EDUSAT** in the Division of Agricultural Physics, IARI, New Delhi 110012..

#### PUBLISHED AND ACCEPTED RESEARCH PAPER

- ❖ Rakesh Kumar, S Karmakar, Asisan Minz, **Jitendra Singh**, Abhay Kumar, Arvind Kumar 2021: Assessment of Greenhouse Gases Emission in Maize-wheat cropping system under varied N fertilizer application using Cool Farm Tool (CFT), *Frontiers in Environmental Science*, section Interdisciplinary Climate Studies.
- ❖ Hanamant Gadad, A. H. Naqvi, Vishal Mittal, **Jitendra Singh** and Susmita Das. 2021. Biology and Damage Pattern of Hairy Caterpillar *Selepa celtis* Moore (Lepidoptera: Nolidae) on *Terminelia arjuna*. *International Journal of Current Microbiology and Applied Sciences* 10(01): 25-31. doi: <https://doi.org/10.20546/ijcmas.2021.1001.004>.
- ❖ Hanamant Gadad, A. H. Naqvi, Asha Kachhap, Vishal Mittal, **Jitendra Singh** and Susmita Das 2021. Impact of seasonal adult emergence period on reproductive

performance of tasar silkworm *Antheraea mylitta* Drury (Lepidoptera: Saturniidae). *Entomon* 46(2): 135-142.

- ❖ H.S. Gadad, Vishal Mittal, **J. Singh**, A.H. Naqvi, S. Das and Z.M.S. Khan. 2020. Monitoring of seasonal flight activity of *Trioza fletcheri* Minor through yellow sticky traps at different spacing in *Terminalia arjuna*. (Roxb.) Wight & Arn. Plantation. *Journal of Entomology and Zoology Studies* 8(3):1058-1062.
- ❖ H.S. Gadad, A.H. Naqvi, Vishal Mittal, **Jitendra Singh** and S. Das. 2021. Biology and Damage Pattern of Hairy Caterpillar *Selepa celtis* Moore (Lepidoptera: Nolidae) on *Terminelia arjuna*. *International Journal of Current Microbiology and Applied Sciences*. DOI: 10.20546/ijcmas.2021.1001.004
- ❖ Gajendra Pal Singh, Mohammed Muzeruddin Baig, **Jitendra Singh**, Jay Prakash Pandey, Karambeer Jena and Alok Sahay (2019) Chromotrope-2r and naphthalene blue black stains for easy detection of *Nosema mylittensis* spore infecting tropical tasar silkworm, *Antheraea mylitta* D , *Journal of Entomology and Zoology Studies* 2019; 7(3): 1388-1390 .
- ❖ **J. Singh**, K.S. Rawat, A. Kumar, S. Mukherjee, G.P. Singh, S. Ray, T. Pandiaraj and A.K. Sinha 2018: **Weather Based Forewarning of Predators in Tasar Silkworm (*Antheraea mylitta* D) at Kathikund, Dumka (Jharkhand - India)** *International Journal of Current Microbiology and Applied Sciences* ISSN:7(2): 633-638.
- ❖ A. Goyal, D.K. Das, V.K. Sehgal, A. Vashisht, S.P. Datta, J. Mukherjee, S. Pradhan, **J. Singh** and R. Singh 2018. **Effect of row direction and cultivar on micrometeorological and biophysical parameters of oil seed Brassica**, *Journal of Agrometeorology* 20 (Special Issue-I) : 85-91 (February 2018)
- ❖ **J. Singh**, A. Kumar, S. Mukherjee, G.P. Singh, S. Ray, K.S. Rawat and A.K. Sinha 2017: Assessment of Brushing Date and Direction on Tasar Silkworm, *Antheraea mylitta* D Production and Protection, *International Journal of Current Microbiology and Applied Sciences* ISSN: 2319-7706 6 (10) 4853-4859.
- ❖ Sunita Mukherjee, Dipti Kumari, **Jitendra Singh**, Lokesh G and Ajit Sinha 2017. Morphology of gall insect, *Trioza fletcheri* minor Crawford and gall infected leaves of tasar food plants, *Journal of Entomology and Zoology Studies* 5(3): 261-263.
- ❖ **Jitendra Singh and Amitkumar** 2014. "Mobility of heavy metals in sewage sludge applied soil and its uptake by radish (*Raphanussativus* L.) *International Journal of Agricultural and Statistical Science* ISSN: 0973-1903, Vol.10, No.2, pp 3-7.
- ❖ **Jitendra Singh** 2013. Adsorption of heavy metal cations in sewage sludge applied soil and its behavior in spinach (spinaciaoleracea). *International Journal of Agriculture and Food Science Technology*. ISSN. 2249-3050, Vol.4, No.4 pp 291-296.
- ❖ **Jitendra Singh**, Kishan Singh Rawat and Amit Kumar 2013. Mobility of cadmium in sewage sludge applied soil and its uptake by radish (*Raphanussativus* L) and spinach

(*Spinacia Oleracea*). *International Journal of Agriculture and Food Science Technology*. ISSN. 2249-3050, Vol. 4, No.4 pp 297-302.

- ❖ **J. Singh**, K. S. Rawat, A. Kumar and A. Singh 2013 Effect of sewage sludge and bio-fertilizers on physico-chemical properties of alluvial soil. In *Biochemical and Cellular Archives*. Vol. 13, No.2. Pp 15-18.
- ❖ **Jitendra Singh** and Kishan Singh Rawat 2014. Mobility of Cadmium in Sewage Sludge Applied Alluvial Soil and its uptake by Radish (*Raphanussativus L*) (Proceeding paper in National Conference on Water, Environment & Society (NCWES - 2014) 30<sup>th</sup> June and 1<sup>st</sup> July, Hyderabad, India, pp 478.
- ❖ R.K Pal, K.S Rawat, **J. Singh** and N. S Murty 2015. Evaluation of CSM -CERES- wheat in simulation wheat yield and its attributes in different sowing environment in Tarai region of Uttarakhand *Journal of Applied and Natural Science* 7(1) gallery proof June 2015.
- ❖ D.K Das, **Jitendra Singh** and S.Vennila 2011. Emerging crop pest scenario under impact of climate change. *Journal of Agricultural Physics*, 11: 13-20.
- ❖ Basant Kumar Sharma, **Jitendra Singh**, Amit Kumar and R. C. Kumawat. 2014. Performance and Prospects of Cluster Bean in Rajasthan. *International Journal of Agricultural And Statistical Science* ISSN : 0973-1903, vol.10 No.1 pp 201-206.
  
- ❖ Rakesh Kumar, Kisan Singh Rawat, **Jitendra Singh**, Ashutosh Singh and Ashish Rai. 2013. "Soil Aggregation Dynamics and Carbon Sequestration". *Journal of Applied and Natural Science* 5(1) pp 250-267.
- ❖ Kishan Singh Rawat, Anil Kumar Mishra, Rakeshkumar and **Jitendra Singh**. 2012. Vegetation condition index pattern (2002-2007) over Indian agro-climate regions using of GIS and SPOT sensor NDVI data. *Journal of Applied and Natural Science* 4(2). pp 214-219.
- ❖ Kishan Singh Rawat, Gopal Krishna, Amresh Mishra and **Jitendra Singh** 2014. Effect of DEM data resolution on low relief region sub-watershed boundaries delineating using of SWAT model and DEM derived from CARTOSAT-1 (IRS-P5), SRTM and ASTER *Journal of Applied and Natural Science* 6 (1) 144-151.
- ❖ V.P. Singh, A. Singh, V.P. Singh, **J. Singh**, K.S. Rawat and R. Kumar 2013 Effect of effluent and fertilizer application on growth and yield of sugarcane *Annals of Agricultural Research New Series* Vol 34 (3) 1-4.
- ❖ S. Upadhyay, **J. Singh**, N. V. K. Singh, and A. Singh 2013 Effect of Nitrogen Levels and Azotobacter strains on Yield and Economics of Finger Millet (*Eleusine coracana L. Gaertn.*) In *Biochemical and Cellular Archives*. Vol. 13, No.2, 48-56.
- ❖ Mohd. Salim, D.P. Sharma, Ashish Rai and **Jitendra Singh** 2011. Genotypic Environmental Interaction in Relation to Salt tolerance in Barley. *The Allahabad Farmer* 17(1): 77-82
- ❖ Mohd. Salim, D.P. Sharma, Ashish Rai and **Jitendra Singh** 2011. Performance of Rice Varieties in Salt affected soil. *The Allahabad Farmer* 17(1): 83-88

- ❖ Dharmendra Singh, Rajendra Singh and **Jitendra Singh** 2013 Influence of Weather Parameters on Population fluctuation of Mango Scale insect, *Aulacaspictubercularis* in Mango *Pestology* pp 35-37.
- ❖ Amaresh Mishra, D. K. Das, **Jitendra Singh**, A. K. Jain and R. Singh 2013. A GIS based decision support system of *Spodopteralitura* (Fabricius) (Noctuidae: Lepidoptera) in soybean (*Glycine max*) Indian Cartographer, Vol. XXXIII, (Proceeding in XXXIII INCA International Congress, Jodhpur) pp 73-77.
- ❖ Rajendra Singh, Dharmendra Singh, **Jitendra Singh** 2013. Efficacy of botanical and synthetic insecticides against (*spodopteralitura* fab.) on Soybean. *Journal of Agricultural Issues* vol. 2 pp 50-53.

#### BOOK / MANUAL

- ❖ D. K. Das, Joydeep Mukherjee, Ananta Vashisth, V. K. Sehgal and **Jitendra Singh** 2015 . **Agro - Climatic Manual of Indian Agricultural Research Institute New Delhi**, TB ICN: 148/2015.
- ❖ Vennila S., **J Singh**, P Wahi, M Bagri, DK Das and M Srinivasa Rao, 2016. Web enabled weather based prediction for insect pests of rice. ICAR-National Research Centre for Integrated Pest Management, New Delhi-110 012 India. 50p.

#### BOOK CHAPTERS

- ❖ Rahul Chaubey, **Jitendra Singh**, Mohammed Muzeruddin Baig, and Amit Kumar 2019: "*Recent Advancement and the Way Forward for Cordyceps*" Springer Book: *Recent Advancement in White Biotechnology through Fungi, Volume 2: Perspective for Value-Added Products and Environments* 441-475.
- ❖ S. Vennila, **Jitendra Singh**, M. Srinivas Rao, M Prabhakar and V. Shridhar 2018: **Impact of climate change on pest scenario in India**, Handbook of Integrated Pest Management, pp **219-226**.
- ❖ **Jitendra Singh**, Vishal Mittal, Hanamant Gadad, G.P Singh, B. Surendranath and Alok Sahay 2019: **TASAR SILKWORM PEST MANAGEMENT** for book publication entitled "**CURRENT STATUS AND RECENT ADVANCES IN TASAR SERICULTURE**" pp 129-150
- ❖ Vishal Mittal, Harendra Yadav, **Jitendra Singh**, G.P. Singh and Alok Sahay 2019: **Tasar Silkworm Host Plant Pest Management** for book entitled "**CURRENT STATUS AND RECENT ADVANCES IN TASAR SERICULTURE**" pp 105-125.
- ❖ Vennila S, **Jitendra Singh**, M. Srinivas Rao and V. Sridhar. 2015. Impact of Climate Change on Pest Scenario in India. In 'Recent advances in integrated pest management' (eds. Sehgal Mukesh, Tanwar, RK, Birah Ajanta and C Chattopadhyay), Compendium of lecture notes, ICAR winter school on **Recent**



**Advances in Integrated Pest Management**, 26 Feb.-18 Mar. 2015, ICAR- National Research Centre for Integrated Pest Management, New Delhi, India. pp.RC 43-50.

**ORAL /POSTER PRESENTATION IN INTERNATIONAL CONFERENCE/  
SYMPOSIUM / SEMINAR**

- ❖ Mittal, V, Susmita Das, J.P Pandey, **Jitendra Singh**, and A.k Sinha 2018: Major pest of tropical tasar silk industry: An integrated pest management approach. In 7<sup>th</sup> International Conference on Wild Silk Moths, held on 22-24 January, 2018, Guwhati, Organized by CSB, Bengaluru and International Society for Wild Silkmoth, Japan, pp 22-23.
- ❖ S.vennila, MeenuAgrawal, V.S Nagrare, **Jitendra Singh** and Y.G Prasad 2012.**Discription damage,scenario,weather based prediction and management of Mirid bug (campylommalivida Reuter: Miridae:Hemiptera;)on rainfed cotton of central India.** An international conference on Plant Health Management for Food Security 28-30 Nov. pp 46.
- ❖ Kishan Singh Rawat, Anil Kumar Mishra, Vinay Kumar Sehgal, Vinod Kumar Tripathi, Amaresh Mishra and **Jitendra Singh** 2012. **Assortment of suitable site for small hydropower dam through remote sensing and GIS in the sub Himalayan region, (H.P), India.** Third International Geo-Hazards Research Symposium June 10-14, pp 37.
- ❖ Amaresh Mishra, D. K. Das, **Jitendra Singh**, A. K. Jain and R. Singh 2013. **A GIS based decision support system of Spodopteralitura (Fabricius) (Noctuidae: Lepidoptera) in soybean (Glycine max) in XXXIII INCA International Congress, Jodhpur** pp 50.
- ❖ Vennila S, Das DK, **Singh J**,Venkateshwarlu N.C, Verma P.V, Panwar H and C. Chattopadhyay 2015. **Weather Based Forewarning of Tobacco Caterpillar, SpodopteraLitura (Fabricius) (Noctuidae: Lepidoptera) in Groundnut at Kadiri (Andhra Pradesh, India)** in 2nd International Conference on Bio-resource and Stress Management (ICBSM) at Acharya N G Ranga Agricultural University, Hyderabad, India Jan,7-10, pp.293.
- ❖ Vennila S, Das DK, **Singh J**,Tanwar RK, Sharma S, Singh N and Chattopadhyay C 2015.  
**Weather based forewarning of rice yellow stem borer, scirpophagaincertulas (walker) at raipur (chattisgarh, india)** in International conference on 'Natural Resource Management for Food Security and Rural Livelihoods' at NASC N Delhi, pp.480.
- ❖ **Jitendra Singh** 2015. **Climate smart agriculture: A beneficial technology under the impact of climate change scenario-A brief review** in International conference on 'Natural Resource Management for Food Security and Rural Livelihoods' at NASC N Delhi, pp.390.

- ❖ DK Das, A Mishra, **J Singh**, A Saxena, VKSehgal, A Vashisth, AK Jain, KH Kamble, and R. Singh 2015.**GeoPest-DSS -A Weather Based Geospatial Pest Decision Support System for Forewarning and Management of Insect Pests and Diseases of Mustard at Delhi NCR Region** in International conference on 'Natural Resource Management for Food Security and Rural Livelihoods' at NASC N Delhi, pp479.
- ❖ Goyal, D.K. Das, V.K. Sehgal, A. Vashisth, S.P. Datta, J. Mukharjee, S. Pradhan, **J. Singh** and R. Singh 2014.**Effect of row direction and cultivar on micrometeorological and biophysical parameters of oil seed Brassica** in International Symposium On “New-Dimensions in Agrometeorology for Sustainable Agriculture (NASA-2014)” at GBPUA&T, Pantnagar-263145, US Nagar, 16-18 October, 2014.

**ORAL / POSTER PRESENTATION IN NATIONAL CONFERENCE/  
SYMPOSIUM/SEMINAR**

- ❖ **Jitendra Singh**, D.K Das, M. Hegde, Narendra Singh, M.S. Rao, Monika Shahi, amaresh Mishra and S. Vennila 2012.“**Weather based forewarning of tobacco cutworm, Spodopteralitura (fbricius) (Noctuidae: Lepidoptera) in groundnut**” in National Symposium on Space Technology for Food and Environmental Society and Annual Conventional of Indian Society of Remote Sensing and Indian Society of Geometrics December 5-7, 2012 111.
- ❖ D.K Das, **Jitendra Singh**, V.K Sehgal, A.Vashisth, S.Pradhan, R.Singh and P.K Sharma 2012.**Climatic trend of IARI farm New Delhi During 1980-2011** in National Symposium on Space Technology for Food and Environmental Society and Annual Conventional of Indian Society of Remote Sensing and Indian Society of Geometrics December 5-7, 2012 pp 217.
- ❖ .K Das, **Jitendra Singh**, J.S Bentur, G.V Ramasubramanian, S.Vennila, R.K Tanwar,V .Jhanshilakshmi, M. Sampathkumar, Amaresh Mishra and Monika Shahi 2012. “**Weather based prediction of rice yellow stem borer, Scirophagaintertulas (Walker) at Aduthurai, Tamilnadu**” in 3<sup>rd</sup> National symposium on Agriculture Production Protection in Context of Climate Change (03-05 November, 2012) at Birsa Agricultural University, Jharkhand. 116-11
- ❖ AmreshMisra, D.K Das, V.K Sehgal, Monika Shahi, **Jitendra Singh**, A.K Jain, A.Vashisth, S.Pradhan, K.H Kamble and R.Singh 2012.**A web enabled decision support system (DSS) for forecasting of white rust (Albugo candida) disease in mustard using GIS** in National Symposium on Space Technology for Food and Environmental Society and Annual Conventional of Indian Society of Remote Sensing and Indian Society of Geometrics December 5-7, 2012 pp 111.
- ❖ Monika Shahi,D.K Das, A.K Jain,V.KSehgal, A.Vashisth,S.Pradhan,AmreshMisra, **Jitendra Singh**, K.H Kamble and R.Singh 2012.**Influence of meteorological parameters and cultivars of mustard on development of white rust** in National Symposium on Space Technology for Food and Environmental Society and Annual

Conventional of Indian Society of Remote Sensing and Indian Society of Geometrics  
December 5-7, 2012 pp 50.

- ❖ Kishan Singh Rawat, Anil Kumar Mishra, Rakeshkumar and J. Singh. 2012. **Climatic variability and its influence on water availability over sub Himalayan belt of Himachal Pradesh (India)**. National conference on climate change and agriculture. 10<sup>th</sup> April 2012 Chhotu Ram (P.G) college Muzaffarnagar-U.P.
- ❖ Jitendra Singh 2013 **Mobility of Lead (Pb) in sewage sludge applied soil and its behavior in Radish (*Raphanus Sativus* L)** in National Seminar on "Trends in Plant Sciences" 19-20 March at DAV PG College Muzaffarnagar, Uttar Pradesh pp 34.
- ❖ D.K Das<sup>1</sup>, Jitendra Singh, S.Vennila, Meenu Agrawal and Y G Prasad 2013. **Weather based forewarning of Mirid (*Campylomma livida* Reuter) on Bt cotton at Central India** in National Seminar on "Trends in Plant Sciences" 19-20 March at DAV PG College Muzaffarnagar, Uttar Pradesh pp 64.
- ❖ Basant Kumar Sharma, R.C Kumawat and Jitendra Singh 2013 **Impact of transfer of technology (TOT) on resource use structure and farm employment** in National Seminar on "Trends in Plant Sciences" 19-20 March at DAV PG College Muzaffarnagar, Uttar Pradesh pp 32.
- ❖ A. Goyal, D.K. Das, V.K. Sehgal, A. Vashisth J. Mukharjee and J. Singh 2015. **Suppression of Biotic Stress in Mustard Through Microenvironment Improvement by Selecting Appropriate Crop Row Direction in National Symposium on "Integrated Pest Management for Sustainable Crop Protection"** at Division of Entomology, IARI, New Delhi, pp 73.
- ❖ Singh J, Das DK, Vennila S, Tanwar RK, Sharma S, Singh N and Chattopadhyay C. 2015. **Weather based forewarning of brown plant hopper (*nilaparvatalugens* stal.) in rice at Raipur (Chhattisgarh, India)** in the 3<sup>rd</sup> Uttar Pradesh Agricultural Science Congress at Allahabad from 14<sup>th</sup> June 2015 to 16<sup>th</sup> June 2015. Pp130.
- ❖ Jitendra Singh and Dharmbir Dhan 2015. **Crop production, protection and management practices under climate change scenario in the 3<sup>rd</sup> Uttar Pradesh Agricultural Science Congress at Allahabad from 14<sup>th</sup> June 2015 to 16<sup>th</sup> June 2015.** Pp180.

#### POPULAR ARTICLE IN HINDI

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- ❖ जितेन्द्र सिंह, गजेन्द्र पाल सिंह, सुनीता कुजूर, टी पांडियाराज एवं अजीत कुमार सिन्हा 2018: तसर भोज्य पौधा अर्जुन में छाल भक्षी कीट की आक्रामकता एवं उसका प्रबंधन, *रेशम वाणी*, संयुक्तांक - 45 -47, जून पृष्ठ संख्या 17 -21.
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#### **PARTICIPATION IN INTERNATIONAL/ NATIONAL/ CONFRENCES/SYMPOSIUM/ SMINAR**

- ❖ Participated in 7th India International Silk Fair 15-17, July 2019 at Pagati Maidan, New Delhi.
- ❖ Participate in “e-Cocoon” Demonstration cum Training Programme organized by NSSO, Bangalore at Central Office, Bangalore.
- ❖ Participate in Hindi seminar organized by ICAR- Indian Institute of Natural Resins and Gums, Namkum, Ranchi on “Climate change and biodiversity” and also co-chair the first session entitled “Climate Change”.

- ❖ Participated and presented paper entitled “तसर उत्पादन पर जलवायु परिवर्तन का प्रभाव तथा इसके अनुकूलन कम लागत वाली प्रभावी विधियों का चुनाव: एक लाभदायी प्रौद्योगिकी” in “Technical Workshop in Rajbhasha” on dated 17/01/2018 organized by BTSSO, Bilaspur- Chhattisgarh.
- ❖ Participated and given presentation on “**Use of low cost and eco-friendly technology for doubling the income of tasar farmer**” in “Technology Demonstration and adaptation for doubling the income of farmers” organized State Sericulture, Chattisgarh at Bilaspur on 21/08/2018.
- ❖ Participated in “**Recent Advance in Molecular Biology Techniques**” held at CTR&TI, Ranchi on 17/03/2018 for one day.
- ❖ Participated in “**Promotion of large scale tasar based livelihood under Mahila Kisan Sashaktikaran Pariyojana (MKSP)**” in Jharkhand, held at CTR&TI, Ranchi on 29/08/2018 for one day.
- ❖ Participated in National Workshop on “By-products Utilization in Tasar Silk Industry” on 7th October 2017, Organized by: Central Tasar Research and Training Institute Central Silk Board Ministry of Textiles Govt. of India, RANCHI- 835303.
- ❖ Participated and presented paper entitled “तसर उत्पादन पर जलवायु परिवर्तन का प्रभाव तथा इसके अनुकूलन कम लागत वाली प्रभावी विधियों का चुनाव: एक लाभदायी प्रौद्योगिकी” in Hindi Technical Workshop on 17/01/2017 organized by BTSSO, Bilaspur- Chhattisgarh.
- ❖ International Workshop on “Water quality research to evaluate the effect of agricultural conservation practices utilized in the US and India” held at AAI-DU, Allahabad on Sept 7-8, 2009.
- ❖ Participation in “GANGA WA YAMUNA JAL PRADUSAN NIWARAN PRADARSHANI SHODH PRASAR PRAKRITI SANSTHAN EVAM PARYAVARAN JANJAGARAN ABHIYAN” at Allahabad University, Allahabad.
- ❖ Participation in thirteenth International Agricultural Young Scientist Award 13 Feb. 15 Feb 2012 in Bioved Research Institute, Allahabad.
- ❖ Participation in 3<sup>rd</sup> National symposium on Agriculture Production Protection in Context of Climate Change (03-05 November, 2012) at Birsa Agricultural University, Jharkhand.
- ❖ Participation in National Symposium on Space Technology for Food and Environmental Society and Annual Conventional of Indian Society of Remote Sensing and Indian Society of Geometrics December 5-7,
- ❖ Participation in National Seminar on "Trends in Plant Sciences" 19-20 March at DAV PG College Muzaffarnagar, Uttar Pradesh.
- ❖ Participation in 2<sup>nd</sup> International conference on “Agriculture, Food Technology and Environment - New Approches 19-20 Dec.2013 at Jawaharlal Nehru University (J.N.U) New Delhi 110067.

- ❖ Participation in XXXIII INCA International Congress on “Integrated Decentralized Planning: Geospatial Thinking, ICT and Good governance, 19-21 Sep 2013 National Remote sensing Centre (NRSC) Jodhpur
- ❖ Participation in International conference on 'Natural Resource Management for Food Security and Rural Livelihoods' 10-13, Feb 2015 at NASC N Delhi,
- ❖ Participation in 2nd International Conference on Bio-resource and Stress Management (ICBSM) Jan,7-10,2015at Acharya N G Ranga Agricultural University, Hyderabad, India.
- ❖ Participation in 3<sup>rd</sup> Uttar Pradesh Agricultural Science Congress at Allahabad from 14<sup>th</sup> June 2015 to 16<sup>th</sup> June 2015.

## **DECLARATION**

I hereby declare that the above written particulars are true to the best of my knowledge and belief. I assure you of my full sincerity and devotion in executing the duties related to the post, should I be given a chance to serve.

**DATE:**

**PLACE: RanchiDr.Jitendra Singh**