

## Scientist Profile

- 1. Name & Designation** : Dr. Sanjoy Saha; Principal Scientist  
**2. Date of birth** : 2<sup>nd</sup> February, 1966  
**3. Date of joining ICAR** : 21<sup>st</sup> July, 1993  
**4. Date of joining the present post** : 1<sup>st</sup> January, 2009  
**5. Qualification (highest degree)** : Ph D



**6. Post Doctoral Research experience/training :**

- i. **IRRI Sponsored Training Course** on Experimental Design & Data Analysis during September 04-16, 1995 at CRRI, Cuttack.
- ii. **International Training Workshop** on '*Application of Participatory Approaches to Agricultural Research & Extension (PAR&E)*' during November 21-December 02, 2005 at International Rice Research Institute, Philippines
- iii. **International Training Workshop** on '*Ecological Management of pests – Biological, Economic & Social Dimensions*' during March 19-30, 2007 at International Rice Research Institute, Philippines
- iv. **International Training Workshop** on '*Characterization of rice growing environments for dissemination of stress tolerant varieties in South Asia*' at Cox Bazar, Bangladesh during 2014 as **Resource Person**
- v. **Winter School** on '*Remote sensing in Agriculture with Special Emphasis on Crop Weather Relations*' at IARI, New Delhi during November 13-December 08, 2000
- vi. Participated in fourteen **Inception Workshop, Synthesis Workshop and Planning Workshop** in Philippines, Thailand, Bangladesh and India for project planning, reviewing the progress and final result presentation as IRRI-ICAR Collaborative Research Scientist under ADB-CURE, CP&WF, BMZ, STRASA, EC-IFAD and CISA project during 2004-2017.

**7. Area of specialization/ research interest:**

Weed management technology, Direct-sown rice (DSR) technology, Integrated farming system research.

**8. Significant contribution including products and patents (Five bullets):**

**A. Variety released: six viz.,** LUNA SUVARNA' LUNA BARIAL' -CR Dhan 406; LUNA SANKHI' (CR Dhan 405; CR Dhan 409; CR Dhan 207 & CR Dhan 209

**B. Product developed:**

Standardized the dose, time and method of application of **Fourteen** new low-dose high-efficacy novel herbicides for broad spectrum of weed control

Standardized the dose, time and method of application of **Eight** herbicide mixtures for broad spectrum of weed control

Implements viz., Single row dry land power weeder, Wet land single row power weeder, Self-propelled two row weeder and Power operated rice seeder

**C. Technology Developed:** Integrated weed management technology for rainfed uplands, direct-sown lowlands, transplanted, deep water and aerobic rice; Management of weedy rice; Agro-techniques for wet direct-sown rice; Agro-techniques for rice and rice-based production system for coastal saline areas; Agro-techniques for dry direct-sown rice and Rice-based integrated farming system model for rainfed lowlands.

## 9. Awards/Honours:

- i. **Best Scientist Award (Principal Scientist category) – 2016**, ICAR- National Rice Research Institute, Cuttack , Odisha
- ii. **ISWS – Fellow Award – 2012**, Indian Society of Weed Science; Jabalpur; M.P.
- iii. **CWSS – Fellow Award- 2011**, Crop & Weed Science Society; Kalyani; West Bengal
- iv. **Recognition Award – 2011**, ICAR-Directorate of Weed Science Research; Jabalpur; M.P. under National Invasive Weed Surveillance Program
- v. **Best Scientist Award (Senior Scientist category) - 2010**, Central Rice Research Institute (ICAR), Cuttack, Odisha
- vi. **Best Poster Award – 2010** in National Symposium by Association of Rice Research Workers; Cuttack; Odisha
- vii. **Best Presenter Award – 2005** in Participatory approaches to Agricultural Research and Extension Workshop at Philippines by International Rice Research Institute, Philippines
- viii. **Best Poster Award – 2004** in National Symposium by Central Rice Research Institute, Cuttack, Odisha
- ix. **Best Poster Award – 2003** in National Symposium by Indian Soc. of Entomology; IARI New Delhi
- x. **Nodal Officer**, TSP program of the Institute (2015-contd.)
- xi. **Member**, National Level Monitoring Team, BGREI/ NFSM Program, West Bengal (2014-contd.)
- xii. **State IN-charge** BGREI Program, West Bengal (2011-contd.)
- xiii. **Member** State Steering committee (BGREI), Department of Agriculture, Govt. of West Bengal (2016-contd.)
- xiv. **Secretary**, Association of Rice Research Workers (ARRW), Professional Society during 2011-2013
- xv. **Nodal Officer & In-charge Agro-meteorology** during 2002-2009

## 10. Publications (10 best) :

- i. **Saha Sanjoy**, Munda S., and Adak, T. 2016. Efficacy of azimsulfuron against complex weed flora in transplanted rice under rainfed shallow lowland. *Indian J. Agric. Sci.* 86(2) : 186-191
- ii. Sahoo S., Adak T., Bagchi, T. B., Kumar U., Munda S., **Saha Sanjoy**, Berliner J., Jena M. and Mishra B. B. 2016. Effect of pretilachlor on soil enzyme activities in tropical rice soil. *Bulletin of Environmental Contamination and Toxicology*. 10.1007/s00128-016-1943-z
- iii. Sahoo S., Adak T., Bagchi, T. B., Kumar U., Munda S., **Saha Sanjoy**, Berliner J., Jena M. and Mishra B. B. 2016. Non-target effects of pretilachlor on microbial properties in tropical rice soil. *Environmental Science and Pollution Research* 10.1007/s11356-015-6026-x.
- iv. **Saha Sanjoy**, B.C. Patra, Sushmita Munda and T. Mohapatra. 2014. Weedy rice : problems and its management.. *Review Article. Indian J. Weed Sci.* 46(1) : 14-22.
- v. Sinhababu D.P., **Saha Sanjoy** and Sahu P.K. 2013. Performance of different fish species for controlling weeds in rainfed lowland rice field. *Biocontrol Sci. and Tech.* 23 (12): 1362-1372.
- vi. **Saha Sanjoy** and Rao K.S. 2010. Efficacy of metsulfuron methyl for controlling broadleaf weeds in transplanted rice (*Oryza sativa*) under rainfed shallow lowland. *Indian J. Agric. Sci.* 80(6): 522-526
- vii. **Saha Sanjoy**. 2009. Efficacy of bensulfuron-methyl for controlling sedges and non-grassy weeds in transplanted rice (*Oryza sativa*). *Indian J. Agric. Sci.* 79(4) : 313-316

- viii. Swain D.K., Herath, S. **Saha Sanjoy** and Dash R.N. 2007. CERES-Rice model: calibration, evaluation and application for solar radiation stress assessment on rice production. *J Agrometeorology*. 9(2) : 138-148.
- ix. **Saha Sanjoy**. 2006. Comparative study on efficacy of sulfonyl urea herbicides and traditional recommended herbicides in transplanted rice. *Indian J. Agron*. 51(4) : 304-306.
- x. **Saha Sanjoy**. 2006. Efficacy of herbicides in wet direct-sown summer rice. *Indian J. Weed Sci*. 38(1&2) : 45-48.

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