

Publication

Research Paper

1. Anandan A, Parameswaran C, Mahender A, Nayak AK, Vellaikumar S, Balasubramaniasai C, and Ali J. 2021. Trait variations and expression profiling of OsPHT1 gene family at the early growth-stages under phosphorus-limited conditions. *Scientific reports*. 11(1), pp.1-19. **(NAAS- 10)**
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. <https://doi.org/10.1016/j.jcs.2021.103220>. **(NAAS- 8.94)**
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8. Bhatta BB, Panda RK, Anandan Annamalai1, Mahender Anumalla, Nirakar S. Pradhan, Kumbha K. Rout, BC Patra and Jauhar Ali (2021). Improvement of phosphorus use efficiency in rice by adopting image-based phenotyping and tolerant indices. *Front. Plant Science*. doi: 10.3389/fpls.2021.717107. **(NAAS Score:10.40)**.
9. Chakraborti M, Anilkumar C, Verma RL, Abdul Fiyaz R, Reshmi Raj KR, Patra BC, Balakrishnan D, Sarkar S, Mandal NP, Kar MK, Meher J, Sundaram RM and Subba Rao LV. 2021. Rice breeding in India: eight decades of journey towards enhancing the

- genetic gain for yield, nutritional quality, and commodity value. *Oryza* 58 (Spl. Issue): 69-88. **(NAAS rating -5.03)**. DOI:[10.35709/ory.2021.58.spl.2](https://doi.org/10.35709/ory.2021.58.spl.2)
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 15. Chatterjee S, Stoy PC, Debnath M, Nayak AK*, Swain CK, Tripathi R, Chatterjee D, Mahapatra SS, Talib, A. and Pathak, H, 2021. Actual evapotranspiration and crop coefficients for tropical lowland rice (*Oryza sativa* L.) in eastern India. *Theoretical and Applied Climatology*, pp.1-17. **(NAAS- 8.88)**
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Trainings conducted

1. Conducted training on organic Farming Systems for entrepreneurship from 15-20 February 2021 on virtual mode in collaboration with ABI, NRRRI at NRRRI Cuttack where 31 participants were there from different parts of India

2. A farmers awareness cum training programme on “Mushroom production and vermi-composting for residue recycling and income” was organized at Village : Mallick Sahi, Block : Gop, District : Puri on 03.03.2021, under the Project, “Development & Demonstration of Integrated Farming System for Livelihood Security of Small and Marginal Farmers in Coastal Odisha(EAP- 252)”,
3. A farmers field day cum training programme on “Rice based integrated farming system” was organized at Village : Pippalmdhab, Block : Tirtol, District : Jagatsinghpur on 08.11.2021, under the Project, “Development & Demonstration of Integrated Farming System for Livelihood Security of Small and Marginal Farmers in Coastal Odisha (EAP- 252)”
4. A Farmers’ Training “Conservation agriculture for enhancing the productivity of rice based cropping system in eastern India” was conducted in Balibhanda village, Kendrapara, on 06.01.2022 with the participation of 30 farmers as course coordinator.
5. Farmers’ Field Scholl on real time N management in rice was conducyed in Badakusunpur village of Tangi Block in district Cuttack during January to March 2021.