

Curriculum Vitae

Personal Details:

Name: Dr. Salman Sahid

Address: Department of Botany, Acharya Prafulla Chandra Roy Government College, Himanchal Bihar, Siliguri- 734010

Designation: Assistant Professor of Botany (W.B.E.S)

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Date of Birth: 11/10/1991

Education and Qualification:

- PhD in Botany, University of Calcutta (2023)
- M.Sc in Botany (Hons) with 1st Class from Ballygunge Science College, University of Calcutta (2015)
- B.Sc in Botany (Hons) with 1st Class from City College, University of Calcutta (2013)

Other Qualifications:

1. Qualified WBSET (2016)

Awards and Achievements:

- Best Oral presentation award on ‘‘ Rice r40c1 protein: a novel regulator of osmotic stress tolerance responses in plants’’ in the National Virtual Conference on Genomics to Phenomics: A New Horizon in Plant Science Research (2021) Organized by University of Calcutta, Kolkata, India.
- Best Poster presentation award on ‘‘An insight into the role of Osr40c1 in regulating drought stress tolerance in rice’’ at the International Conference on Food and Nutritional Security held during January 6-9, 2023 at NABI, Mohali, India.

Professions:

Working as an Assistant Professor in Botany at A.P.C Roy Govt. College Siliguri from 6th August, 2021.

Research Interest:

Signal attenuation between lectin proteins and osmotic stress in crop plants: Food production and security pose a major issue in India. Once its life cycles are completed, crop plants, especially rice plants, must contend with a wide range of environmental factors. A significant abiotic stress that hinders plant development and agricultural food production is droughts. Reducing the water dependency and production of high yield crop plants is indeed a tough challenge for scientists. In the plant system, a number of lectin proteins that play a role across both biotic and abiotic stress. However, the mechanism of the lectin proteins with drought stress is indeed unknown.

Research Publication:

- **Sahid S**, Roy C, Shee D, Shee R, Datta R, Paul S (2023). ZFP37, C3H, NAC94, and bHLH148 transcription factors regulate cultivar-specific drought response by modulating *r40C1* gene expression in rice. **Environmental and Experimental Botany**, 214:105480. **IF-5.7**
- Shee R, Ghosh S, Khan P, **Sahid S**, Roy C, Shee D, Paul S, Datta R (2022). Glutathione regulates subcellular iron homeostasis via transcriptional activation of iron responsive genes in Arabidopsis. **Plant Cell & Environment**, 45(7):2176-2190. **IF-7.95**
- **Sahid S**, Roy C, Shee D, Datta R, Paul S (2021). Jacalin domain-containing protein *OsSALT* interacts with *OsDREB2A* and *OsNAC1* to impart drought stress tolerance in planta. **Environmental and Experimental Botany**, 183: 104362. **IF-6.028**
- **Sahid S**, Roy C, Paul S, Datta R (2020). Rice lectin protein *Osr40c1* imparts drought tolerance by modulating *OsSAM2*, *OsSAP8* and chromatin-associated proteins. **Journal of Experimental Botany**, 71:7331-7346. **IF-7.37**