


BRIEF PROFILE

Name	Dr. Partha Saha	
Year of birth	19/02/1981	
Designation	Senior Scientist	
Qualification	MSc, PhD	
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Work experience: (Max : 10 lines) (in bullet form)	Scientist, ICAR– IARI, New Delhi: 06.10.2010– 05.10.2019 Sr. Scientist, ICAR–IARI, New Delhi: 06.10.2019–18.04.2022 Sr. Scientist, ICAR–NIRCA-RS, Dinhata:19.04.2022 –till date	
Publications	<p>1. Saha, N.D., Kumari, P., Das, B., Sahoo, R.N., Kumar, R., Golui, D., Singh, B., Jain, N., Bhatia, A., Chaudhary, A., Chakrabarti, B., Bhowmik, A., Saha, P. and Islam, S. (2024). Vis-NIR spectroscopy based rapid and non-destructive method to quantitate microplastics: An emerging contaminant in farm soil. <i>Science of the Total Environment</i>, 927 (2024) 172088. https://doi.org/10.1016/j.scitotenv.2024.172088 (Co-author) NAAS rating 14.2</p> <p>2. Saha, P., Ghoshal, C., Saha, N.D., Verma, A., Srivastava, M., Kalia, P. and Tomar, B.S. (2021). Marker assisted pyramiding of downy mildew resistant gene Ppa3 and black rot resistant gene Xcalbo in popular early cauliflower variety Pusa Meghna. <i>Frontier in Plant Science</i>. https://doi: 10.3389/fpls.2021.603600 (Corresponding author) NAAS Rating 10.1</p> <p>3. Lyngdoh YA, Saha P, Tomar BS, Bhardwaj R, Nandi LL, Srivastava M, Gurung B, Ranjan JK and Chaukhande P (2025) Unveiling the nutraceutical potential of indigenous and exotic eggplant for bioactive compounds and antioxidant activity as well as its suitability to the nutraceutical industry. <i>Frontier in Plant Science</i> 16:1451462. doi: 10.3389/fpls.2025.1451462 (Corresponding author) NAAS rating 10.1</p> <p>4. Nandi, L.L., Saha, P., Sarika Jaiswal, Lyngdoh, Y.A., Behera, T.K., Pan, R.S., Munshi, A.D., Saha, N.D., Hossain, F., Srivastava, M., Tomar, B.S. (2021). Bioactive compounds, antioxidant activity and elements content variation in indigenous and exotic Solanum sp. and their suitability in recommended daily diet. <i>Scientia Horticulturae</i> 287, 110232. https://doi.org/10.1016/j.scienta.2021.110232 (Corresponding author). NAAS rating 9.9</p>	

	<p>5. Saha, P., Kalia, P., Sharma, M., Sharma, P., Ghoshal, C., Verma, A., Saha, N.D., and Tomar, B.S. (2025). Novel sources of cauliflower for resistance to downy mildew disease, genetic analysis and design suitable breeding strategy using advanced breeding lines. <i>South African Journal of Botany</i>. 184(2025)349–361 (Corresponding author). NAAS rating 8.70</p> <p>6. Vanlalneihi, B., Saha, P., Kalia, P., Jaiswal, S., Kundu, A., Saha, N.D., Singh, S., Singh, N. (2020). Chemometric approach based characterization and selection of mid-early cauliflower for bioactive compounds and antioxidant Activity. <i>Journal of Food Science and Technology</i> 57(1):293–300. https://doi.org/10.1007/s13197-019-04060-6 (Corresponding author). NAAS rating 8.60</p> <p>7. Vanlalneihi, B., Saha, P., Kalia, P., Singh, S. Saha, N. D. Kundu, A., Singh, N. and Bhowmik, A. (2020). Genetic and principal component analysis for agro-morphological traits, bioactive compounds, antioxidant activity variation in breeding lines of early Indian cauliflower and their suitability for Breeding. <i>The Journal of Horticultural Science and Biotechnology</i>. 95 (1): 93–105. https://doi.org/10.1080/14620316.2019.1627912 (Corresponding author). NAAS rating 7.70</p> <p>8. Saha, P., Ghoshal, C., Ray, S., Saha, N.D., Srivastava, M., Kalia, P. and Tomar, B.S. (2020). Genetic analysis of downy mildew resistance and identification of molecular markers linked to resistance gene Ppa207 on chromosome 2 in cauliflower. <i>Euphytica</i> (2020) 216:183. https://doi.org/10.1007/s10681-020-02696-6 (Corresponding author). NAAS rating 7.6</p> <p>9. Saha, P., Kalia, P., Sharma, M. and Singh, D. (2016). New source of black rot disease resistance in <i>Brassica oleracea</i> and genetic analysis of resistance. <i>Euphytica</i>, 207:35-48. (Corresponding author) NAAS rating 7.6</p> <p>10. P Saha, P Kalia, S Joshi (2015). Genetic analysis of yield components and curd color of midseason heat tolerant Indian cauliflower (<i>Brassica oleracea</i> var. <i>botrytis</i> L.). <i>SABRAO Journal of Breeding & Genetics</i> 47 (2): 124-132 (Corresponding author) NAAS rating 7.60</p>
Awards	<p>1. Fellow Indian Society of Vegetable Science, ICAR-Indian Institute of Vegetable Research, Varanasi, UP, India, 2023</p> <p>2. Fellow Society for Horticultural Research and Development, SD-70 UP, India, 2023</p> <p>3. All India best publication award Society for Advancement of Human and Nature (SADHANA), Post Box No 8, Dr YS Parmar University of Horticulture and Forestry, Nauni, Solan 173230 Himachal Pradesh, India, 2023</p> <p>4. Scientist of the Year Agro Environmental Development Society (AEDS), UP, India, 2021</p> <p>5. Best poster paper award Horticulture Society of India, New Delhi, 2021</p> <p>6. Young Horticultural Scientist Award Society for Horticultural Research</p>

	<p>and Development, SD-70 UP, India, 2020</p> <p>7. Young Scientist award from DST- SERB, GOI with a research grant, 2014</p> <p>8. Jawaharlal Nehru award with Gold medal for outstanding doctoral thesis, ICAR, 2013</p> <p>9. Recipient of IARI merit Gold medal and certificate award during Ph.D, IARI, 2011</p> <p>10. Dwarika Nath Memorial Gold Medal, Indian Society of Vegetable Science, Varanasi, 2010</p> <p>11. Best poster paper award in 9th Indian Horticulture Congress, 18-21 Nov, Kanpur, UP, 2021, IAHS, New Delhi, 2021</p> <p>12. Best oral presentation award in 5th International Conference on Advances in Agriculture, Environment and Bioscience for sustainable development, August 5-7, 2021, Agro Environmental Development Society (AEDS), UP, India, 2021</p> <p>13. Recipient of best poster paper award from National E-conference on Plant Health and Food Security: Challenges and Opportunities. IARI, New Delhi. 25-7. March, 2021, Indian Phytopathological Society, New Delhi, 2021</p> <p>14. Kanwar Virender Singh Memorial All India Best Publication Award - 2020. Society for Advancement of Human and Nature, India, 2020</p> <p>15. Awarded best poster paper in 8th Indian Horticultural Congress, January,17-21, 2019, Chhattisgarh, Horticulture Society of India, New Delhi, 2019</p> <p>16. Awarded best poster paper in 7th Indian Horticultural Congress, November 15-18, 2016, New Delhi, Horticulture Society of India, New Delhi, 2016</p> <p>17. Awarded best poster paper in 4th Indian Horticultural Congress, November 18-21, 2010, New Delhi, Horticulture Society of India, New Delhi, 2010</p> <p>18. Member in Editorial board, Current Horticulture, 2022</p>
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