

1. Adhikari, A., Ray, M., Sur, T. K., Biswas, S., Roy, R. K., **Hazra, A. K.**, & Das, A. K. (2018). Anti-Diabetic Activity of Rhizophora Mucronata Leaves in Streptozotocin-Nicotinamide Induced Animal Model. *The Journal of Middle East and North Africa Sciences*, 4(8), 1-7.
2. Bandyopadhyay, S., Banerjee, J., Bhattacharyya, D., Samanta, I., Mahanti, A., Dutta, T. K., **Ghosh, S.S.**, Nanda, P.K., Dandapat, P., & Bandyopadhyay, S. (2018). Genomic identity of fluoroquinolone-resistant bla CTX-M-15-Type ESBL and pMampC  $\beta$ -lactamase producing Klebsiella pneumoniae from buffalo milk, India. *Microbial Drug Resistance*, 24(9), 1345-1353.
3. Banerjee, H., Das, T. K., **Ray, K.**, Laha, A., Sarkar, S., & Pal, S. (2018). Herbicide ready-mixes effects on weed control efficacy, non-target and residual toxicities, productivity and profitability in sugarcane–green gram cropping system. *International Journal of Pest Management*, 64(3), 221-229.
4. Banerjee, H., **Ray, K.**, Dutta, S. K., Majumdar, K., Satyanarayana, T., & Timsina, J. (2018). Optimizing Potassium Application for Hybrid Rice (Oryza sativa L.) in Coastal Saline Soils of West Bengal, India. *Agronomy*, 8(12), 292.
5. Bhattacharjee, M., Prakash, S. H., Roy, S., Begum, T., & **Dasgupta, T.** (2018). DNA fingerprinting of CUMS 17 (Suprava): a newly developed variety of sesame. *Int J Pure Appl Biosci*, 6(5), 161-6.
6. Bhattacharyya, K., Das, T., **Ray, K.**, Dutta, S., Majumdar, K., Pari, A., & Banerjee, H. (2018). Yield of and nutrient-water use by maize exposed to moisture stress and K fertilizers in an inceptisol of West Bengal, India. *Agricultural Water Management*, 206, 31-41.
7. Chakraborty, K., Basak, N., Bhaduri, D., Ray, S., **Vijayan, J.**, Chattopadhyay, K., & Sarkar, R. K. (2018). Ionic basis of salt tolerance in plants: nutrient homeostasis and oxidative stress tolerance. In *Plant Nutrients and Abiotic Stress Tolerance* (pp. 325-362). Springer, Singapore.
8. **Ghosal, A.**, Chatterjee, M. L., & Bhattacharyya, A. (2018). Field Bio-efficacy of Some New Insecticides and Tank Mixtures against Whitefly on Cotton in New Alluvial Zone of West Bengal. *Pesticide Research Journal*, 30(1), 31-36.
9. **Ghosal, A.**, Dolai, A. K., & Chatterjee, L. (2018). Evaluation of a new ready mixed insecticide (Buprofezin 15%+ Acephate 35% WP) against BPH (Nilaparvata lugens (Stal)) and WBPH (Sogatella furcifera (Horvath)) of rice in West Bengal. *Journal of Crop and Weed*, 14(1), 205-211.
10. Ghosh, S., Chatterjee, J. K., **Hazra, A. K.**, & Chakraborty, B. (2018). Total phenolic, flavonoid,  $\beta$ -carotene and in vitro antioxidant activity of vegetable wastes collected from hotels and food processing centre. *Food Sci Res J*, 9, 169-74.
11. **Goswami, R.**, **Misra, S.**, **Mondal, T.**, & Jana, R. (2018). Social network analysis in the context of community response to disaster. SAGE Research Methods Cases, Sage, UK.
12. **Hazra A. K.**, Chakraborty B., Mitra A., & Sur T. K. (2018). A rapid HPTLC method to estimate piperine in Ayurvedic formulations containing plant ingredients of Piperaceae family. *Journal of Ayurveda and Integrative Medicine*, 10(4), 248-254.
13. **Hazra A. K.**, Pal A., & Sur T. K. (2018). Assessment of Reserpine Content by HPTLC in Some Ayurvedic Formulations Containing Sarpagandha (Rauwolfia Serpentina). *International Journal of Current Medical and Pharmaceutical Research*, 4(10A), 3794-3799.
14. **Hazra, A. K.**, Sur, T. K., Chakraborty, B., & Seal, T. (2018). HPLC analysis of phenolic acids and antioxidant activity of some classical ayurvedic guggulu formulations. *International Journal of Research in Ayurveda and Pharmacy*, 9, 112-117.
15. Iqbal, A., Bhattacharjee, U., Akhtar, R., & **Dasgupta, T.** (2018). Genetic diversity computation in sesame genotypes using morphological traits and genic SSR markers. *Indian Journal of Genetics*, 78(3): 348-356.
16. Kundu S, Salma U, Ali MD, **Hazra A.K.**, Mandal N., (2018). Development of transgenic hairy roots and augmentation of secondary metabolites by precursor feeding in

- Sphagneticola calendulacea (L.) Pruski. *Industrial Crops & Products*, (2018), 121, 206–215. (May 2018)
17. **Kundu, P.**, Bauri, F. K., & Maji, S. (2018). Genetic diversity study of some banana genotypes collected from various parts of India through RAPD analysis. *African Journal of Agricultural Research*, 13(5), 248-257.
  18. Bhattacharjee, M., Prakash, S. H., Roy, S., Begum, T., & **Dasgupta, T.** (2018). DNA Fingerprinting of CUMS 17 (Suprava): A Newly Developed Variety of Sesame. *International Journal of Pure and Applied Bioscience*, 6(5): 161-166.
  19. Mondal, S., Bardhan, K., Dutta, A., & **Chatterjee, A.** (2018). Identification of vertebrate MMP-2 and MMP-9 like molecules in the aqueous extract of Nasturtium (*Tropaeolum majus*) flowers, Bambusa balcooa leaves and Nayantara (*Catharanthus roseus*) flowers. *Journal of Tumor*, 6(1), 540-544.
  20. Mandal, S., Sah, K. D., Das, K., Sahoo, A. K., Nayak, D. C., Singh, S. K., Burman, D., Sharma, P.C., & **Sarkar, S.** (2018). Increasing Small-holder Farmers' Income through Alternate Land use Options in Coastal Salt-affected Areas of West Bengal. *Journal of Soil Salinity and Water Quality*, 10(2), 268-278.
  21. **Mondal, T. & Nag, P. K.** (2018). Work Practices in Small and Marginal Farm Holdings: An Ergonomics Analysis. *Ergonomics International Journal*, 2(9), 180.
  22. **Mondal, T. & Nag, P. K.** (2018). Human Energy Utilization and Effectiveness in small and Marginal farm Holdings. *International Journal of Research-Granthalayaah*, 6(11), 163-171.
  23. **Nag, P. K.** (2018). Office Buildings: Health, Safety and Environment Design Science and Innovation. Singapore, Springer.
  24. Pandey, S. K., **Dasgupta, T.**, Rathore, A., & Vemula, A. (2018). Relationship of parental genetic distance with heterosis and specific combining ability in sesame (*Sesamum indicum* L.) based on phenotypic and molecular marker analysis. *Biochemical Genetics*, 56(3), 188-209.
  25. Poddar, K., **Vijayan, J.**, Ray, S., & Adak, T. (2018). Nanotechnology for sustainable agriculture. In *Biotechnology for Sustainable Agriculture* (pp. 281-303). UK: Woodhead Publishing.
  26. Rana, L., Banerjee, H., **Ray, K.**, & Sarkar, S. (2017). System of wheat intensification (SWI): A new approach for increasing wheat yield in small holder farming system. *Journal of Applied and Natural Science*, 9(3), 1453-1464.
  27. **Ray, K.**, Banerjee, H., Bhattacharyya, K., Dutta, S., Phonglosa, A., Pari, A., & Sarkar, S. (2018). Site-specific nutrient management for maize hybrids in an inceptisol of West Bengal, India. *Experimental Agriculture*, 54(6), 874-887.
  28. **Ray, K., Hasan, S. S., & Goswami, R.** (2018). Techno-economic and environmental assessment of different rice-based cropping systems in an inceptisol of West Bengal, India. *Journal of cleaner production*, 205, 350-363.
  29. Saha, S., Das, T., & **Raychaudhuri, D.** (2018). Myrmecophilous association between ants and aphids—an overview. *World News of Natural Sciences*, 20, 62-77.
  30. Saha, S., Dasgupta, S., & **Raychaudhuri, D.** (2018). Site and spectral hue determine landing of alate aphids for invasion to winter crops/flowering plants. *World Scientific News*, 106, 12-23.
  31. **Saha, S., Goswami, R., & Paul, S. K.** (2018). Recursive Male Out-migration and the Consequences at Source: A Systematic Review with Special Reference to the Left-behind Women. *Space and Culture, India*, 5(3), 30-53.
  32. Salma, U., Kundu, S., **Hazra, A. K.**, Ali, M. N., & Mandal, N. (2018). Augmentation of wedelolactone through in vitro tetraploid induction in *Eclipta alba* (L.) Hassk. *Plant Cell, Tissue and Organ Culture (PCTOC)*, 133(2), 289-298.
  33. Sarkar, S. K., Saha, S., & **Raychaudhuri, D.** (2018). Taxonomy of Oxycetonia Arrow, 1910 (Scarabaeidae: Cetoniinae) of Buxa Tiger Reserve, Dooars, West Bengal, India. *Journal of Entomological Research*, 42(1), 121-128.

34. Sarkar, S., Banerjee, H., Chakraborty, I., Sau, S., **Ray, K.**, Ghosh, D., & Deb, P. (2018). Assessment of growth, yield, tuber quality and profitability of potato upon boron fertilization. *Journal of Environmental Biology*, 39(3), 365-372.
35. Sarkar, S., Banerjee, H., **Ray, K.**, & Ghosh, D. (2018). Boron fertilization effects in processing grade potato on an Inceptisol of West Bengal, India. *Journal of Plant Nutrition*, 41(11), 1456-1470.
36. Sau, S., Sarkar, S., Ghosh, B., **Ray, K.**, Deb, P., & Ghosh, D. (2018). Effect of Foliar Application of B, Zn and Cu on Yield, Quality and Economics of Rainy Season Guava Cultivation. *Current Journal of Applied Science and Technology*, 1-10.
37. Shamna, A., **Biswas, P.**, Jha, S. K., Sarkar, S., & Kumar, S. (2018). Tribal Farm Women's Participation in Agriculture and Factors Influencing It: Evidence from West Bengal, India. *Journal of Agricultural Science and Technology*, 20(5), 911-922.