

Name and Designation : Dr. RAJAPPA J.J., Senior Scientist
Date of Birth : 23.05.1980
Date of Joining ICAR : 01.07.2013
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Educational Qualification : M.Sc. (Biotechnology), Ph.D. (Plant Genetic Resources)
Discipline : Economic Botany & Plant Genetic Resources



Service Particulars

- Scientist (2013 - 2021, ICAR RC for NEH Region, Umiam)
- Senior Scientist (2022-till date, ICAR-CTRI, Rajahmundry)

Areas of Expertise for Consultancy Purpose

- Plant Genetic Resources- Exploration & Collection, Characterization, Evaluation, Conservation, Value addition & Utilization
- Plant Biotechnology
- Plant Taxonomy

Research Publications (Best Ten)

1. Bappa Karmakar, **Rajappa Janyanaik Joga**, Ramesh Thangavel, Dwipendra Thakuria, and Ramie Husneara Begum (2023). Introducing the 3R Program in Teaching Laboratories to Promote Sustainability Science through Miniaturization Studies on the Spectrophotometric Determination of Organic Carbon and Phosphorus in Soil. *Journal of Chemical Education*. 100 (3), 1296-1302. DOI: 10.1021/acs.jchemed.2c00931
2. S C, Srushti, Biradar, Shivaleela & **J, Rajappa** and Lamani, Babu. (2022). *Withania somniferous*: The Wonder Plant with Withanolide E and J Inhibit Inflammatory Mediator AP-1 Factor. *Current Bioactive Compounds*. 18(2): 1-16. DOI:10.2174/1573407218666220601121738.
3. **Rajappa J Joga**, Emanuel Sangma, Bappa Karmakar, Vanita Lyngdoh and Chubasenla Aochen (2021). Phytochemical investigations on the therapeutic properties of the of *Ensete glaucum* (Roxb.) Cheesman. *Indian Journal of Traditional knowledge*. 20(1): 68-73
4. **Rajappa, J. Joga.**, Emanuel Sangma, Bappa Karmakar, Vanita Lyngdoh and Chubasenla Aochen. (2021). Phytochemical investigations on the therapeutic properties of the *Ensete glaucum* (Roxb.) Cheesman. *Indian Journal of Traditional Knowledge* 20(1): 68-73.
5. Pande, R., Pitchaimurugan, M., **Joga, R.J.**, Hazarika, S., Patra, S. and Ramkrushna, G.I. (2020). Study on biology of tea bunch caterpillar *Andraca bipunctata* on alternative host plant. *Eurya acuminata* of Meghalaya. *J. Environ. Biol.* 41: 782-787.
6. **Rajappa, J.J.**, Sangma, E.M. and Bappa Karmakar. (2019). *Enset glaucum* (Roxb.) - a wild progenitor species of banana and its little-known presence in North East India. *Current Science* 117(10): 1555-1556.
7. Prakash Naik, H.R., **Rajappa, J.J.**, Karmakar, B, et. al. (2018). Synthesis of Fe(III) Complexes as Antioxidants and DNA Cleavage Protectors. *Nat Prod Chem Res* 6: 317.
8. Firake, D.M., Joshi, S., **Rajappa, J.J.** and Behere, G.T. (2018). Invasive Hypogeic Mealybug, *Formicococcus polysperes* Williams (Hemiptera: Pseudococcidae) on Turmeric (*Curcuma longa* Linnaeus): A New Host Record. *National Academy Science Letters* 41(6): 341-343.
9. Ramachandra Naik, M., **Rajappa Joga, J.**, Nagaraja, N. et. al. (2017). Micropropagation of *Caralluma adscendens* var. *fimbriata*-An Indigenous Medicinal Plant of India. *Nat Prod Chem Res* 5: 278.

10. **Rajappa, J.J., Umdale, S.D., Kole, P.R., Bhat, K.V.** (2016). Identification of Conserved Orthologous Set Markers in Cultivated *Vigna radiata* (L.) Wilczek. *Vegetos* **29**: 3.

Awards/ Honours/ Recognitions

- **Dr. Harbhajan Singh Memorial Award (Triennial) -2019** by Indian Society for Genetics & Plant Breeding (ISGPB), New Delhi