2023-2024

RESEARCH PUBLICATIONS

1. **Bharath, K, N**., Shivkumar, Kiran, R., Kumaresan, P and Singh, Sardar. Evaluation of elite bivoltine mulberry silkworm (*Bombyxmori* L.) double hybrids suitable for North West India. International Journal of Agricultural Science 2023; 18 (2): 1-7. (NAAS 4.15)
2. **Bharath, K, N**., Shivkumar, Kiran, R., Kumaresan, P and Singh, Sardar. Identification of superior autumn specific silkworm (*Bombyxmori* L.) hybrids suitable for temperate region of Jammu and Kashmir. International Journal of Agricultural Science., 2023; 19 (1): 1-7. (NAAS 4.73)
3. **Bharath, K, N**., Shivkumar, Kiran, R., Kumaresan, P and Singh, Sardar. Identification of superior bivoltine mulberry silkworm (*Bombyxmori* L.) double hybridssuitable for North West India. International Journal of Agricultural Science.2023; 19 (1): 140-146. (NAAS 4.73)
4. **Gonal Basanagouda**, S. Ramesh, G. V. Ranjitha, M. P. Kalpana, B. C. Siddu, H. Satish, R. Kirankumar, and S. Aniket. "Selective genotyping for discovery of QTL controlling flowering time in dolichos bean (*Lablab purpureus* L.)." Crop Breeding and Applied Biotechnology 23, no. 2 (2023): e44182327. (NAAS 7.50)
5. Ranjitha, GoudruVeerabhadrappa, Annabatula Mohan Rao, **GonalBasanagouda**, Sampangi Ramesh, Madsur Eshwar Kavya, AradhyaNateshan, and VenkateshaPrashantha. "Identification of stable sources of resistance to gummy stem blight (GSB) disease in muskmelon (*Cucumis melo* L.)." Genetic Resources and Crop Evolution 71, no. 6 (2024): 2497-2507. (NAAS 8.00)
6. Siddu, Chindi Basavaraj, Sampangi Ramesh, Mugali Pundalik Kalpana, **GonalBasanagouda**, Hosakoti Sathish, SuryavanshiAniketh, Narayanaswami Karthik et al. "Identification of inbred lines harbouringfavourable dominant alleles not present in the parents of three elite maize (*Zea mays* L.) Single cross hybrids." Genetic Resources and Crop Evolution 71, no. 2 (2024): 851-862. (NAAS 8.00)
7. Kalpana, Mugali Pundalik, Sampangi Ramesh, K. Madhusudan, Chindi Basavaraj Siddu, **GonalBasanagouda**, BasalapuraRangegowda Chandana, Hosakoti Sathish, Dinesh Sindhu, and RottiKirankumar. "Are Indeterminate Genotypes More Productive than Determinate Ones in Dolichos bean [*Lablab purpureus* (L.) Sweet]?: An Analysis based on Near Isogenic Lines Differing in Growth Habit." Legume Research: An International Journal 7 (2024). (NAAS 6.80)
8. **Basanagouda, G.,** S. Ramesh, B. R. Chandana, H. Sathish, C. B. Siddu, M. P. Kalpana, and R. Kirankumar. "Predicting the frequency of transgressive rils and minimum population size required to recover them in dolichos bean [*Lablab purpureus* (L.) Sweet]." Legume Research-An International Journal 1 (2024): 5. (NAAS 6.80)
9. **Gonal, Basanagouda**, Gangadhara Doggalli, Bhupendra Kumar, Shanti Bhushan, S. Surekha, G. Malathi, and Lakshman Singh. "Exploring the future of plant breeding: Advancements and challenges." International Journal of Plant & Soil Science 35, no. 24 (2023): 49-55. (NAAS 5.10)

10. Sahana, P. S., T. Onkarappa, S. Ramesh, N. Manasa, and **G. Basanagouda.** "Estimation of Genotype× Environment interaction in soybean (*Glycine max* (L.) Merrill) crosses for grain yield and its component traits under different sowing dates." Electronic Journal of Plant Breeding 14, no. 4 (2023): 1302-1309. (NAAS 5.60)
11. **Plabani Roy**, Nirmal De, Hemant Jayant, Chandrashekhar Sharma and Preeti Singh (2023). Assessment of soil salinity by geo-spatial technology in Ballia district of Uttar Pradesh. Agropedology 2023, 33 (01), 63-67(NAAS 5.40)
12. **Plabani Roy**, Ranjan Bhattacharyya, Raman Jeet Singh, N. K. Sharma , Gopal Kumar , M. Madhu , D. R. Biswas , Avijit Ghosh , Shrila Das, Ann Maria Joseph , T. K. Das , Soora Naresh Kumar , S. L. Jat , Y. S. Saharawat and Pramod Jha (2023). Impact of agro-geotextiles on soil aggregation and organic carbon sequestration under a conservation-tilled maize-based cropping system in the Indian Editorial: Himalayan Climate Interaction.16 November 2023. Sec. Soil Processes. Volume 11 - 2023 |. (NAAS 11.60)
13. Rafiq Lone, Nowsheen Hassan, Baiza Bashir, **Gulab Khan Rohela**, Nazir Ahmad Malla (2023) Role of Growth Elicitors and Microbes in Stress Management and Sustainable Production of Sorghum. Plant Stress (Elsevier Journal) International. (NAAS 12.80)
14. Mahesh Kumar Badhepuri, Prabhakar Rao Beeravelli, Rajender Goud Arolla, PhanikanthJogam, **Gulab Khan Rohela**, Nageswara Rao SingisalaMicropropagation and Genetic Fidelity Analysis using SCoT and ISSR Markers in Muehlenbeckiaplatyclada (F.Muell.) Meisn 157: 51 Plant Cell, Tissue & Organ Culture (Springer Journal) International (NAAS 9.00)
15. ThirupathiKoppula, Sandhya Dulam**Gulab Khan Rohela**, Saritha Kommidi& Mustafa Mohammed Micropropagation and genetic homogeneity of regenerants by ISSR and ScoT markers in *Solenaamplexicaulis* (Lam.) Gandhi – A threatened medicinal cucurbit. Volume 59, pages 724–733 2023 In vitro Cellular & Developmental Biology-Plant (Springer Journal) International (NAAS 8.60)
16. Subhash Sirangi, Dulam Sandhya, **Gulab Khan Rohela**, Mahipal S. Shekhawat, Ajmeera Ragan, Vatsavaya S. Raju Leaf explant based direct and indirect regneration and SCoT markerasssisstedgnetic fidelity analayis of endemic taxon Corynandrachelidonii var. pallae 36(3): 1-12. 2023Vegetos (Springer Journal) International (NAAS 7.15)
17. **Rajesh Kumar** and P. C. Pathania, 2023. Status of *Chrysodeixischalcites* Esper and *Chrysodeixiseriosoma* (Doubleday) of family Noctuidae (Lepidoptera) in India as determined by DNA barcoding and morphological characterization. Rec. zool. Surv. India: Vol. 123(1)/37-43,
18. **SantoshkumarMagadum**, Kumar, P., Singh, A. and Verma, S.K. 2023. Studies on genetic divergence in pigeonpea germplasm. The Pharma Innovation Journal. 12(11): 2422-2426. [NAAS rating: 5.23]
19. Venkatesha, M. G., &**Kiran, R.** 2023. Chemical composition of *Cymbopogon flexuosus* and *C. winterianus*essential oils and their insecticidal potential against the coffee berry borer *Hypothenemushampei*. *JurnalProteksiTanaman*, *7*(2), 65-77.
20. Rajashekara, S., **Kiran, R**., Bhavya, V., Chithrashree, C., Chaitra, V., Joshi, D. R., &Venkatesha, M. G. (2023). Screening of botanicals against the adults of rice weevil, *Sitophilus oryzae* L. *International Journal of Industrial Entomology*, *47*(1).

Abstracts:

1. **भरतकुमारनीलाबोइना*,**रीतासिंह, कुमारसनपीऔरएन.के .भाटिया (2024) "जम्मू-कश्मीरऔरहिमाचलप्रदेशमेंक्षेत्रीयस्तरपरसीएसआरडबलहाइब्रिडलार्वाकोखिलाईगई0.5%ग्लूटामिकएसिडफोर्टिफाइडपत्तीकीप्रभावकारिताकाआकलन"
राष्ट्रीयराजभाषातकनिकीसेमिनार,केंद्रियारेशमबोर्ड,बंगलुरु.
2. **Bharath, K, N.,**Chattarpal, Rita Singh, Kumaresan P And N.K. Bhatia (2024) "Multilocational trials of bilotine mulberry silkworm double hybrid suitable for North West India" published in souvenir of Silk Tech-2024 Bharat Texpo-International Conference "Global Scenario and Sustainable solutions" held on 28th February at Pragati Maidan, New Delhi.
3. **SantoshkumarMagadum**, Singh, S., Saheb, S.N.A. and Bhatia, N.K. 2024. Evaluation of improved mulberry genotypes through bioassay of silkworm (*Bombyx mori* L.) under sub-tropical conditions of Jammu. In: Silkworm SeedCon 2024-International conference on Silkworm Seed Industry: Opportunities and Future Prospects, held during 30-31stJanuary, 2024 at Bengaluru. Page: 47.
4. SreenuPendli, **Gulab Khan Rohela**, PhanikanthJogam, Manokari, Mahipal S Shekhawat, Christopher Reuben Thammidala 2023 Micropropagation, biochemical profiling and genetic fidelity analysis in Hybanthusenneaspermus (L.) F. Muell: an important medicinal herb with aphrodisiac properties 45International Conference on "Plant Physiology and Biotechnology" Lovely Professional University on 20th & 21st April, 2023.
5. Dulam Sandhya, PhanikanthJogam, **Gulab Khan Rohela**, Manokari, Mahipal S Shekhawat, Venkataeswar Rao Allini, SadanandamAbbagani 2023 Efficient indirect regeneration and genetic homogeneity studies in Origanum majorana (L.): a multipurpose medicinal plant 63 International Conference on "Plant Physiology and Biotechnology" Lovely Professional University on 20th & 21st April, 2023.
6. Gulab Khan Rohela, Pawan Saini, Aftab Ahmad Shabnam, Azra NahaidKamili, Narendra Kumar Bhatia 2023 Mulberry Somatic Hybrids 53 National Conference on "Future of Agriculture and Future For Agriculture" Department of Vegetable Sciences, SKUAST-K from 4th & 6st September, 2023.
7. **गुलाब खान रोहेला**, पवन सैनी, आफताब अहमद शबनम, अशोक कुमार कासुकुर्थी, अजरा नाहिद कामिली, और नरेंद्रकुमारभाटिया 2024 शहतूत के दैहिक संकरों कीप्लोइडी और रूपात्मक विशेषताएँOne Day Hindi Technical National Seminar on "रेशम बोर्ड के 75साल:उपलब्दिया और भावी परिदृष्य"SBRL, CSB, Bengaluru on 15th February, 2024.

8. ZarintajShukurova, YusifShukurlu**, Rajesh Kumar**, 2023. Extraction of Natural Silk Fiber from Cocoons of Saturnia pyri (Lepidoptera: Saturniidae). 10th BACSA INTERNATIONAL CONFERENCE "Regeneration of sericultural industries in 21st century" "REGESERI". Pp-45-46.
9. Subadas Singh, G. Subrahmanyam, Prashanth Sangannavar, **Rajesh Kumar**, Bidyut Choudhury, DK Jigyasu, Reeta Luikham and K.M. Vijaya Kumari, 2023. Conservation of muga silkworm, Antheraea assamensis Helfer in different geographical locations of north east India. In: Conservation, improvement and rearing management in Vanya silkworms" of National Symposium on 'Vanya Sericulture: Opportunities Galore' organized by CSB-CTRTI Ranchi, 28 to 29 October 2022 at Ranchi.
10. पवन सैनी, गुलाब खान रोहेला, **राजेश कुमार,**दानिष्टता अजीज, सुमिरा रफ़ीक़, मोहम्मद अमीन भट, राजिंदर कुमार, सरदार सिंह, एन के भाटिया और एस नजीर अहमद साहब , २०२३. उपज मापदंडों और रेशमकीट जैवपरख अध्ययन के माध्यम से शहतूत प्रवष्ठीयो का कश्मीर घाटी के अंतर्गत मूल्यांकन। राष्टीय राजभाषा तकनीकी सेमीनार , केन्द्रीय रेशम बोर्ड के 75 साल : उपलबधिया एवं भावी परिद्रश्य। पेज संख्या 12
11. संतोषकुमारमगदुम, सिंह, एस. औरभाटिया, एन.के. 2024. जम्मूकीउपोष्णकटिबंधीयपरिस्थितियोंमेंउपजऔरगुणवत्तासंबंधीलक्षणोंकेलिएशहतूतजननद्रव्यकामूल्यांकन. में: राष्ट्रीय राजभाषा तकनीकी सेमिनार - केंद्रीयरेशमबोर्डके 75 साल : उपलब्धियाँएवंभविपरिद्रश्य. आयोजक - रेशमजैवप्रौद्योगिकीअनुसंधानप्रयोगशाला, कोडती, बेंगलुरु. 15 फरवरी 2024. पृष्ठसंख्या- 26.
12. **SantoshkumarMagadum** and Bhatia, N.K. 2024. Seasonal variability and its impact on silk quality in Jammu region. In: SilkTech 2024: International Conference on Global Scenario and Sustainable Solutions in Silk Industry, held on 28thFebruary, 2024 at Bharat Mandapam, Pragati Maidan, New Delhi. Page: 142
13. Kiran, R., Nadiya Ashraf, &Bhatia,N.K. (2024). Quantification of Homogeneity in Cocoons from Silkworm, *Bombyx mori* L., 1758 (Lepidoptera: Bombycidae) Using Imagej, International conference on Transdisciplinary Research in Life Sciences: Perspectives and Prospects organized by the Department of Life Sciences, Kristu Jayanti College, Autonomous in association with the University of Trans-Disciplinary Health Sciences and Technology (TDU).
14. Kiran, R., Kumaresan, P., Bharath, K.N., Shivkumar, Ahmad, M.N.,& Bhatia, N.K. (2023). From the Archives: Comprehensive Assessment of Pivotal Silkworm Races - ShogetsuHosho, ShunreiShogetsu, and N124xC124, National Conference on Silkworm Seed Industry: Opportunities and Future Prospects.