

PUBLICATIONS

Research Articles

- Afroz S, Singh R, Nain M S, Mishra J R, Kumar P, Iquebal M A and Khan S A, 2019. Problem Tree Analysis for delay in starting Agribusiness by trained candidates under ACABC scheme. **Indian Journal of Extension Education** [Accepted].
- Afroz S, Singh R, Nain M S, Mishra J R, Kumar P, Iquebal M A and Khan S A, 2019. Content Analysis of the Training Curriculum of Agriclincs and Agribusiness Center (ACABC) scheme. **Journal of Community Mobilization and Sustainable Development** [Accepted].
- Anil Pappachan, Tabiyo K, Rahul K and Trivedy K, 2019. Isolation and molecular identification of potential bacterial antagonist for the management of brown leaf spot of mulberry. **Journal of Pharmacognosy and Phytochemistry**, 8(3): 4098-4103.
- Kiran Kumar R Patil, B Chinnappa and G R Manjunatha, 2019. Economic analysis of value chain management in broiler chicken. **Indian Journal of Poultry Science**, 54 (2):169-174.
- Kiran Kumar R Patil, B Chinnappa, G R Manjunatha and H S Sowmya, 2019. Eco-friendly Arecanut Leaf Sheath Products: An Economic Analysis. **Indian Journal of Ecology**, 46 (2): 431-436.
- Kiran Kumar R Patil, M G Chandrakanth and G R Manjunatha, 2019. Impact of Probability of Well Success on Unit Cost of Irrigation in Karnataka. **Indian Journal of Ecology**, 46 (4):835-838.
- M Kumar, L M Bhar, A Majumder, G R Manjunatha and H Das, 2019. BTIB Designs and their Efficiencies for Comparing Test versus Control Treatments with Correlated Observations. **Journal of the Indian Society of Agricultural Statistics**, 73 (3):245–251.
- Mahesh R, H Meitei, D Chakravarty and V Sivaprasad, 2019. Effect of fertilizer dose and split application of fertilizer on growth, yield and nutrient use efficiency in mulberry. **Innovative Farming**, 4(4).
- Manjunatha G R, Hunmily E, Kiran Kumar R Patil, Shafi Afroz, Parmeshwarnaik J, D Pandit and V Sivaprasad, 2019. Prognostication of mulberry silk cocoon prices in Kaliachak (West Bengal) market, **Journal of Crop & Weed**, 15(1):48-53 (DOI: 10.22271/09746315.2019.v15.i3.1236).
- Parameswaranaik J, 2019. Factors Influencing the Attitude of Return Migrated Rural Youths towards Agripreneurship Development. **International Journal of Current Microbiology and Applied Sciences**. 8(07): 2810-2817.
- Parameswaranaik J, Jha S K and Lal S P, 2020. Return Migration of Rural Youth Vis-à-Vis Agripreneurship Development in Southern India. **National Academy Science Letters**. <https://doi.org/10.1007/s40009-020-00935-x>
- Parameswaranaik J, Sujeet Kumar Jha and Manu HA, 2019. Return Migration of Rural Youth: Decision Making Style Analysis. **Journal of Global Communication**. 12(2): 81-84.
- Parameswaranaik J, Sujeet Kumar Jha, H R Meena and H A Manu, 2019. Perceived Constraints of return migrated rural youths in agripreneurship Development. **Asian Journal of Agricultural Extension, Economics and Sociology**, 36(2):1-6.
- Pooja Makwana, Soumen Chattopadhyay and V Sivaprasad, 2019. Evaluation of synthetic antimicrobial peptides for the suppression of mulberry brown leaf spot caused by *Myrothecium roridum*, **Journal of Crop & Weed**, 15(1):209-212.(DOI: 10.22271/09746315.2019.v15.i3.1261).
- Rahul K, Moamongba, Saikia K, Rabha M and V Sivaprasad, 2019. Identification and characterization of bacteria causing flacherie in mulberry silkworm, *Bombyx mori* L., **Journal of Crop & Weed**, 15(1):178-181.(DOI: 10.22271/09746315.2019.v15.i3.1257).
- Ramesha A, Dubey H, Vijayan K, Ponnuvel K M, Mishra R K and K Suresh, 2020. Genome wide characterization revealed MnMLO2 and MnMLO6A as candidate genes involved in powdery mildew

susceptibility in mulberry. **Molecular Biology Reports**; <https://doi.org/10.1007/s11033-020-05395-6>.

Seidavi A, Zakir Hossain, N G Rubiuc and M G Cappai, 2020. Hierarchical clustering analysis based on metabolite levels in the hemolymph of different genetic strains of silkworm (*Bombyx mori* L., 1758) with regard to cocoon shell to cocoon weight ratio. **Livestock Science**, 232 (Feb): 103916 (<https://doi.org/10.1016/j.livsci.2020.103916>).

Shambhavi H P, Makwana P, Surendranath B, Ponnuel K M, Mishra R K and Appukuttan P R, 2020. Phagocytic events, associated lipid peroxidation and peroxidase activity in hemocytes of silkworm *Bombyx mori* induced by microsporidian infection. **Caryologia. International Journal of Cytology, Cytosystematics and Cytogenetics**, 73(1).

Suresh K, Jalaja S K, D Chakravarty and V Sivaprasad, 2019. Breeding for improved leaf yield and studies on combining ability in mulberry, **Journal of Crop & Weed**,15(1):65-71.

Papers Presented in Conferences/Seminars/Symposia etc.

International seminar on Agriskills for Convergence in Research, Industry & Livelihood (ACRIL 2019), CWSS, BCKV, Kalyani, 28-30 Nov 2019

Anil Pappachan, Rahul K, Irene L and V Sivaprasad, 2019. Molecular identification of fungi associated with mulberry root rot disease in Eastern and North Eastern India, T3/pp.141.

Chandrakanth N, V Lakshmanan, V S Raviraj and V Sivaprasad, 2019. Functional classification of esterases in silkworm breeds with varied levels of thermotolerance, T2/Pp.99.

Mahesh R, Anil Pappachan, V Vijay, D Chakravarty and V Sivaprasad, 2019. Economics of growing mulberry under lowcost drip fertigation technology, T1/pp.57.

Raviraj V S, Chandrakanth N, Lakshmanan V and V Sivaprasad, 2019. Identification of bivoltine silkworm breeds for high humidity tolerance in Eastern & North Eastern india, T1/pp.56.

Sivaprasad V, 2019. Mulberry sericulture in Eastern & North Eastern India- Resrach Scenario, pp.33.

60th Ann. Conf. of Association of Microbiologists of India & Inter-symposium on Microbial Technologies in Sustainable Development of Energy, Environment, Agriculture & Health, Central University of Haryana, Haryana, 15-18 Nov 2019

Aparna K & Rao, 2019. Microbial inoculation improves carbon sequestration & soil health (pp 95)

Natl. Conf. on Challenges & Innovative Approaches in Agriculture & Allied Sciences Research, Biotic Science Congress-2019, Salem (TN), 26-27 July 2019

Mahesh R, Anil Pappachan, V Vijay, Debashish Chakravarty and V Sivaprasad, 2019. Optimization of Fertilizer Dose under Low-cost Drip Fertigation Systems in Mulberry (pp 130).

Halagundegowda G R, Kumaresan P, Manjunatha G R, Nanjunda Sastry S, Kantharaju B M and Pallavi J, 2019. Forecasting of price and arrivals of mulberry cocoons in major markets of Karnataka (pp 120).

Popular Articles

Hossain Z, Mani S K, Lepcha S, 2019. Report on District Kissan Mela at Gorubathan Block in Kalimpong. **Indian Silk**, 9 [57 Old] (9-10):pp. 40.

Babu H, Mani S K and Lepcha S, 2019. Report on Resham Krishi Mela-2019 of RSRS-Kalimpong. **Indian Silk**, 9 [57 Old] (9-10):pp. 42.

Chakravarty S, 2019. Report on Resham Krishi Mela-2019 of REC-Bagmara, Mothabari. **Indian Silk**, 9 [57 Old] (9-10):pp. 41.

Sarkar S, Karmakra S, P Nailk, Manjunatha G R, Pandit D, T D Biswas and Sivaprasad V, 2019. Report on Resham Krishi Mela-2019 of CSR&TI, Berhampore. **Indian Silk**, 9 [57 Old] (9-10):pp. 42-43.

Manuals/Books/Book Chapters

Bhattacharjya D, K Alam, A. Bhuimali and S Saha, 2019.

Perspectives of Sericultural farming for Sustainable Development. In: P.K. Paul, B.K. Santra (Eds.). **Ecology, Sustainability and Technology: The Paradigm Shifting**, New Delhi Publishers, New Delhi, India (ISBN: 978-93-88879-37-8).

Khasru Alam, Debjoy Bhattacharjya, Prasanta Kumar Kar, Anil Bhuimali and Soumen Saha, 2020.

Wild Tasar Ecoraces of Simlipal Biosphere Researve, Odisha - an appraisal In: P.K. Paul, A. Bhuimali, K.S. Tiwary and B.Satpathy (Eds.). **Liberal Arts, Humanities and Technology in Digital Age**, New Delhi Publishers, New Delhi, India (ISBN: 978-93-88879-77-4).

Hossain Z, 2019.

Sericulture Farming in India: An overview. In: Kumar A., Kumar N. and Chand H (Eds.). **Commercial Entomology**, New India Publishers, New Delhi, pp 55-80.

Saha S, K Alam, D Bhattacharjya, A Bhuimali and P K Kar (2019).

Exploration of Biodiversity of Tasar silkworm ecoraces (*A. mylitta* D.) for Economic Incentives to Tribal's: A Study in Simlipal Biosphere Reserve, Odisha. In: J.C. Kalita & S. Chakraborty (Eds.). **Kaleidoscope**, Purbayon Publication, Gauwhati, India (ISBN: 978-81-938937-3-9)

Sequences Published in NCBI			
Accession Number	Identified Organism/Genes	Source	Scientists Involved
LR735900	<i>Fusarium solani</i>	Mulberry root (Karjora, West Bengal)	Anil Pappachan Rahul K & V. Sivaprasad
LR735963	<i>F. solani</i>	Mulberry root (Pipulkhola, West Bengal)	
LR735964	<i>F. solani</i>	Mulberry root (Jorhat, Assam)	
LR735965	<i>F. solani</i>	Mulberry root (Sille, Arunachal Pradesh)	
LR735966	<i>Lasiodiplodia theobromae</i>	Mulberry root (Kolasib, Mizoram)	
MT221438	Pyrexia Polymorphisms (<i>pyx1</i> & <i>pyx2</i>) for High Humidity	Bivoltine silkworms tolerant to high temperature & high humidity (CSRTI-Berhampore)	V.S. Raviraj
MT221439			N.Chandrakanth Sahadeb Roy V. Lakshamanan & V. Sivaprasad

CSRTI-Berhampore Magazine

News & Views - Half Yearly R&D News Bulletin [English/Hindi; Vol.13 (1&2); 2019-2020