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1) Research Articles Published

- G. S. Madhu Bindu, M. Vijay Kumar, P. Raghurami Reddy and **S. Bhavana**. (2022). Productivity of Sugarcane based sequential intercropping system suitable for Central Telangana Zone. International Journal of Bioresource and Stress Management. Vol 13(1), pg: 1201-1208.
- Pinninty Sandhya Reddy, **Sadras Bhavana** and Pradeep K. Shukla. (2022). Biochemical Characteristics of Graphene and Titanium dioxide Nanoparticles in Okra (*Abelmoschus esculentus* L.). International Journal of Environment and climate change. Vol 12(11), pg: 3240-3248.
- **Sadras Bhavana**, M. Vijay Kumar, G. S. Madhu Bindu, D. V.V Reddy and K. Chiranjeev. (2022). Assessment of quality parameters in different clones of sugarcane (*Saccharum officinarum* L.). International Journal of Environment and climate change. Vol 12(11), pg :3524-3530.
- D. Parvathi, **Sadras Bhavana**, B. Prashanthi. (2021). Assessment of biochemical parameters in Chilli under storage conditions. Journal of Pharma inovations. Vol 10(12), pg 1122-1126.
- **Sadras Bhavana**, T Ramesh, P. Raghuvveer Rao, CH. Damodar Raju and B. Balaji Naik. (2021). Performance of Rice cultivars for yield and yield attributes at twelve different dates of sowing. Journal of Pharmacology and Phytochemistry. Vol 10 (1), pg 2123-2130
- **Sadras Bhavana**, T Ramesh, P. Raghuvveer Rao, CH. Damodar Raju and B. Balaji Naik. (2021). Correlation Studies between yield and yield attributes of elite rice genotypes transplanted under different growing environments. Journal of PJTSAU. Vol 49(1&2).
- **Sadras Bhavana**, M. Vijay Kumar, G. S. Madhu Bindu, D. V.V Reddy. (2017). Correlation analysis for root, growth, yield and quality parameters of twelve sugarcane clones. Agriculture Update. Vol 1, pgs 2107-2111.
- **Sadras Bhavana**, M. Vijay Kumar, G. S. Madhu Bindu, D. V.V Reddy. (2017). Screening for root and yield characteristics under rainfed conditions in sugarcane clones (*Saccharum officinarum* L.). Bulletin of Environment Phamacology and life sciences. Vol 6, pgs: 466-474.
- **Sadras Bhavana**, M. Vijay Kumar, G. S. Madhu Bindu, D. V.V Reddy. (2017). Study on Morpho-Physiological characters in different clones of sugarcane (*Saccharum officinarum* L.). IJCMAS, Vol-6 (11).

2. Books published

- Dr. Sadras Bhavana. Molecular Aspects of crop plants to biotic and abiotic stresses (Vol-1).SR Edu Publications. 2023. 978-93-92941-12-2.
- Dr. Praveen Kumar, Dr. Pratibha Bisen & Dr. Sadras Bhavana. Genes to Traits - Molecular Plant Breeding.SR Edu Publications. 2024. 978-93-92941-33-7.
- Dr. Sadras Bhavana & Dr. Pratibha Bisen. Molecular Aspects of crop plants to biotic and abiotic stresses (Vol-2).SR Edu Publications. 2023. 978-93-92941-39-9.

3. Book Chapters

- Sadras Bhavana, Sheshanka Dugyala, Rachana Bagudam, C. Subha Lakshmi & K. Krishna Mohan Marker-Assisted Breeding for Rice Improvement Climate-Smart Rice Breeding, Springer-2024.

- Sadras Bhavana, G. S Madhu Bindu, C. Subha Lakshmi, Ch. Chandra Sekhar and Sheshanka Dugyala. Nanotechnology -Its Application In Plant Growth, Development and Protection. Nanotechnology Approaches in Soil Science, Springer-2024.
- G. S. Madhu Bindu, K. Bhavitha, C. Subha Lakshmi, Ch. Chandra Sekhar, S. Bhavana and K. Suresh. Green Nanotechnology: Synthesis and Application of Eco-friendly Nanomaterials for Sustainable Environment and Agricultural Advancements. Nanotechnology Approaches in Soil Science, Springer-2024.
- Dr. D. Parvathi, Dr. Sadras Bhavana and Dr. B. Prashanthi. Comprehensive Knowledge on Chilli Mycotoxins" in the book entitled "Current Research in Horticulture (Vol - 1), Weser Books publications, 2022, ISBN: 978-3-96492-294-6.
- Dr. Sadras Bhavana and P. Sandhya Reddy. Transformation of crop plants- A Review, in the book entitled "Advances in Agricultural and Life sciences" (Vol-10), Weser Books publications, 2022, ISBN: 978-3-96492-383-7.
- Thamminana Jyotsna and Y. Durga Venkat Hemu and Sadras Bhavana. Engineering Abiotic Stress Tolerance in Crop Plants in the book entitled "Molecular Aspects Of Crop Plants To Biotic And Abiotic Stresses (Volume1), SR Edu Publications, 2023, ISBN: 978-93-92941-12-2.
- Jessie Huldah. Y, Maruthi Gayathri, M. Kirthy Teja, Goriparthi Meghana, Velamala Gowthami, Sadras. Bhavana, Donakonda Divyasree. Genetic Engineering Advances to Impart Abiotic Stress Tolerance in the book entitled "Molecular Aspects Of Crop Plants To Biotic And Abiotic Stresses (Volume1), SR Edu Publications, 2023, ISBN: 978-93-92941-12-2.
- V. Asha Latha and Sadras. Bhavana. Physical Barriers of Plant to Biotic Interference.
- in the book entitled "Molecular Aspects Of Crop Plants To Biotic And Abiotic Stresses (Volume1), SR Edu Publications, 2023. ISBN: 978-93-92941-12-2.

4. Popular Articles

S.No.	Author(s),	Title of Article	Platform/Publication Name
1.	B. Santosh & S. Bhavana	Vermicompost preparation	Vyavasayam, PJTSAU
2.	Sadras Bhavana, P. Sandhya Reddy, D. Manideepthi, A. Maneesha and N. Divya	Agriculture trends in recent times	Just Agriculture
3.	N. Divya, Dr. Sadras Bhavana, P. Sandhya Reddy, D. Manideepthi	Acacia-its potential uses	Times of Agriculture
4.	Sadras Bhavana, P. Sandhya Reddy, D. Manideepthi	Prophylactic measures to be taken in summer maize	Agriculture and Food Magazine- E Newsletter
5.	S. Bhavana, D. Manideepthi, A. Maneesha, N. Divya, P. Sandhya Reddy	Date palm cultivation practices and health benefits	Sabujeema- An International Multidisciplinary E- Magazine
6.	Rasheeba Iqbal, Sadras Bhavana	Stevia-It's Sugary Uses	Agriculture & Food E-Newsletter
7.	S. Bhavana & Ashoka C.	Noni Importance and Seed sowing	Vyavasaya Padipantalu
8.	S. Bhavana & T. Laxman	Mangosteen cultivation	Vyavasaya Padipantalu
9.	S. Bhavana	Management practices in Spiny guord cultivation	Vyavasaya Padipantalu