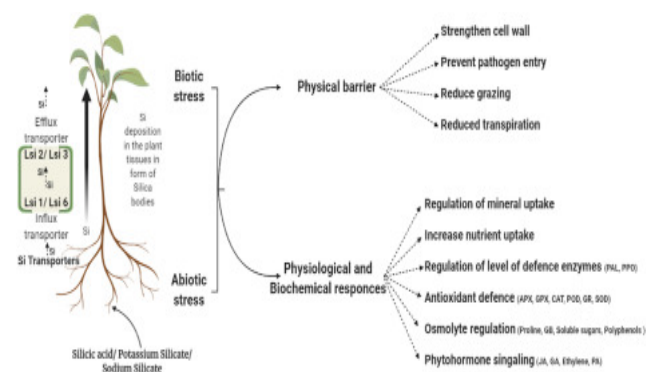


Rayat Shikshan Sanstha's
Yashavantrao Chavan Institute of Science (Autonomous)
Satara-415001
Scopus Indexed Publications (2021)

(Total Publications 13)

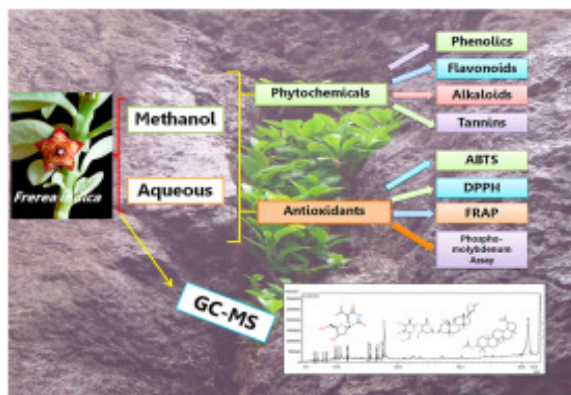
1) Multifaceted roles of silicon in mitigating environmental stresses in plants.

<https://www.sciencedirect.com/science/article/abs/pii/S0981942821005684?via%3Dihub>



2) Phytochemical composition, and antioxidant potential of *Frerea indica* Dalz.: A critically endangered, endemic and monotypic genus of the Western Ghats of India.

<https://www.sciencedirect.com/science/article/abs/pii/S1878818121001766?via%3Dihub>

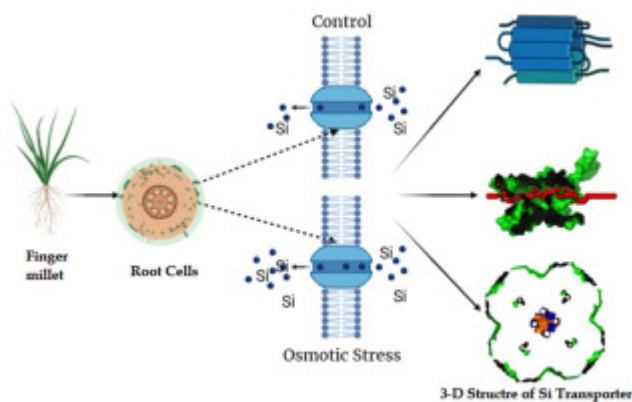


3) Elicitor-mediated enhancement of biomass, polyphenols, mangiferin production and antioxidant activities in callus cultures of *Salacia chinensis* L.

<https://link.springer.com/article/10.1007%2Fs13205-021-02836-2>

4) Characterization of influx and efflux silicon transporters and understanding their role in the osmotic stress tolerance in finger millet (*Eleusine coracana* (L.) Gaertn.)

<https://www.sciencedirect.com/science/article/abs/pii/S0981942821001571?via%3Dihub>



5) Biogenic synthesis of ZnO nanoparticles from *Parthenium hysterophorus* extract and its catalytic activity for building bioactive polyhydroquinolines

<https://link.springer.com/article/10.1007%2Fs11164-020-04365-8>



6) *Uraria picta*: A comprehensive review on evidences of utilization and strategies of conservation.

<https://updatepublishing.com/journal/index.php/jp/article/view/7028>

7) Development of diabetes diagnosis system with artificial neural network and open source environment

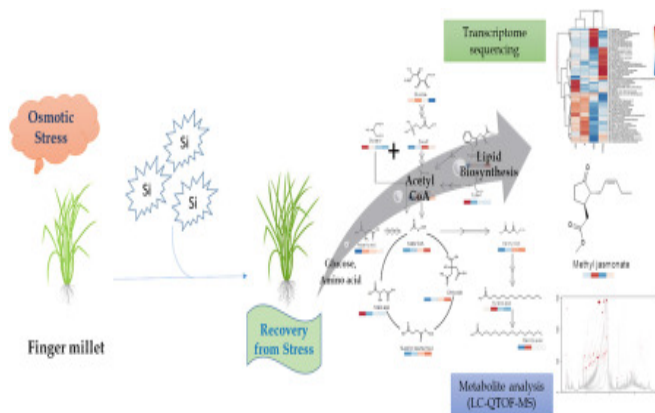
<https://ieeexplore.ieee.org/document/9396963>

8) 'In water' exploration of *Alpinia zerumbet*-fabricated CuO NPs in the presence of NaPTS at room temperature: green synthesis of 1,8-dioxooctahydroxanthene derivatives

<https://link.springer.com/article/10.1007%2Fs11164-020-04351-0>

9) An insight into the role of silicon on retaliation to osmotic stress in finger millet (*Eleusine coracana* (L.) Gaertn)

<https://www.sciencedirect.com/science/article/abs/pii/S0304389420320689?via%3Dihub>



10) Plant regeneration through direct and indirect organogenesis, phyto-molecular profiles, antioxidant properties and swertiamarin production in elicited cell suspension cultures of *Swertia minor* (Griseb.) Knobl.

<https://link.springer.com/article/10.1007%2Fs11240-020-01962-8>

11) Fluorescence Enhancement Based Quantification of Human Serum Albumin from Biological Sample Using Indole Based Nanosuspension: Molecular Interactions and Molecular Docking Studies.

<https://link.springer.com/article/10.1007%2Fs10895-021-02847-5>

12) Electrodeposited bimetallic microporous MnCu oxide electrode as a highly stable electrocatalyst for oxygen evolution reaction.

<https://onlinelibrary.wiley.com/doi/10.1002/er.7457>

13) Studies on Biosensing Properties of Electrodeposited Copper Oxide Films.

<https://onlinelibrary.wiley.com/doi/10.1002/masy.202100227>

14) Preparation of Zinc Ferrite by Solid State Method and Its Characterizations.

<https://onlinelibrary.wiley.com/doi/10.1002/masy.202100070>