Centre for Medical Diagnostic and Research

Design and Innovation Centre

List of publications:

1)Mishra,V., Baranwal, V., Mishra, R.K., Sharma, Shivesh., Paul, B., Pandey, A.C. (2016) . Titanium dioxide nanoparticles augment allergic airway inflammation and Socs3 expression via NF-κB pathway in murine model of asthma. Biomaterials. 92: 90 - 102. DOI:10.1016/j.**Biomaterials**.2016.03.016. **Impact Factor: 9.3.**

2) Mishra, R.K., Mishra, V., Pandey, A., Tiwari, A.K., Sharma, Shivesh., Pandey, A.C. and Dikshit, A. (2016). Anti - Malassezia potential of *Nyctanthesarbortristis* L. and their target validation of its active constituents over Mala s 1.**BMC Complementary and Alternative Medicine**.16: 114.DOI:10.1186/s12906-016-1092-2. **Impact Factor: 2.2.**

3)Tripathi,D.K., Tripathi, A., Gaur, S., Singh, S., Singh, Y., Vishwakarma,K., Yadav,G., Sharma, Shivesh., Singh, V.K., Mishra, R.K., Dubey, N.K., Upadhyay, R.G., Lee, Y., and Chauhan, D.K.(2017) Uptake, accumulation and toxicity of silver nanoparticle in autotrophic plants, and heterotrophic microbes: A concentric review", **Frontiers in Microbiology.** 8(7) 1-16. doi.org/10.3389/fmicb.2017.00007. **Impact Factor: 4.16**.

4) Tripathi, D.K., Mishra,R.K., Sing, S., Singh, S., Vshwakarma,K., Sharma, Shivesh, Singh, V.P.,Singh, P.K., Prasad, S.M., Dubey, N.K., Pandey, A.C., Sahi.S., and Chauhan, D.K. 2017. Nitric oxide ameliorates zinc oxide nanoparticles phytotoxicity in wheat seedlings: Implication of the ascorbate-glutathione cycle", **Frontiers in Plant Science**. doi: 10.3389/fpls.2017.00001. **Impact Factor: 4.5**.

5) Vishwakarma,K., Upadhyay, N., Kumar, N., Yadav,G., Singh, J., Mishra, R.K., Kumar, V., Verma, R., Upadhyay,R. G., Sharma, Shivesh. (2017) Abscisic Acid Signaling and Abiotic Stress Tolerance in Plants: A Review on Current Knowledge and Future Prospects. **Frontiers in Plant Science**. **Impact Factor: 4.5**.

6) Mishra, Rohit, Mishra, V., Pandey, H., Pandey, A.C., **Sharma, Shivesh** and Dikshit, A. 2016. Mycorrhizal symbiosis: A phenomenal approach towards drought tolerance for sustainable agriculture. In: Water Stress and Crop Plants: A Sustainable Approach**. Wiley-Blackwell(Verlag)U.K**

7). Vishwakarma K, Shivesh Sharma, Kumar V, Upadhyay N, Kumar N, Mishra R, Yadav G, Verma ,R.K., Tripathi, D.K., Upadhyay, R.G. (2016). Current Scenario of root exudates mediated plant-microbe interaction and promotion of plant growth. In: Probiotics in Agriculture. **Springer**. **In the Press**.

8). Vishwakarma K, Sharma S, Mishra M, Jain S, Mishra R, Tripathi DK, Kumar V. (2017). Current scenario of plant-microbe interactions in improving soil structure and function through root exudation. **Springer**.