

Biofabrication of zinc oxide nanoparticles with syzygium aromaticum flower buds extract and finding its novel application in controlling the growth and mycotoxins of *Fusarium graminearum*

Lakshmeesha, Thimappa Ramachandrappa; Kalagatur, Naveen Kumar; Mudili, Venkataramana; Mohan, Chakrabhavi Dhananjaya; Rangappa, Shobith; Prasad, Bangari Daruka; Ashwini, Bagepalli Shivaram; Hashem, Abeer; Alqarawi, Abdulaziz A.; **Gupta, Vijai Kumar** *Frontiers in microbiology* 2019 / art. 1244, 13 p. : ill <https://doi.org/10.3389/fmicb.2019.01244> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Emerging trends in nanoparticle synthesis using plant extracts for biomedical applications

Rauwel, Protima; Rauwel, Erwan *Global journal of nanomedicine* 2017 / art. 555562, p. 1-3
<http://https://juniperpublishers.com/gjn/pdf/GJN.MS.ID.555562.pdf>

A novel approach for synthesizing silver nanoparticles with antibacterial and cytotoxic activities using the leaf extract of hydroponically grown *Moringa oleifera*

Aghajanyan, Anush; Timotina, Marina; Manutsyan, Tatevik; Harutyunyan, Ani; Ginovyan, Mikayel; Schubert, Robin; **Aydinyan, Sofiya**; Trchounian, Karen; Gabrielyan, Lilit; Gabrielyan, Liana *Scientific Reports* 2025 / art. 16637 <https://doi.org/10.1038/s41598-025-01023-0>

Plant extract mediated synthesis of nanoparticles : chapter 14

Küüna, Siim; Rauwel, Protima; Rauwel, Erwan *Emerging applications of nanoparticles and architecture nanostructures : current prospects and future trends* 2018 / p. 411–446 <https://doi.org/10.1016/B978-0-323-51254-1.00014-2>

Plant mediated syntheses of silver nanoparticles using common weed (*Plantago Major* L.)

Küüna, Siim; Volobujeva, Olga; Rauwel, Protima; Rauwel, Erwan *10th International Conference on Biosystems Engineering* 2019 : book of abstracts : May 8-10 2019 Tartu, Estonia 2019 / p. 172
http://dspace.emu.ee/xmlui/bitstream/handle/10492/4955/ABS_2019_Book_VV.pdf?sequence=1&isAllowed=y

Recent advances in essential oils-based metal nanoparticles : a review on recent developments and biopharmaceutical applications

Sana, Siva Sankar; Li, Huizhen; Zhang, Zhijun; Sharma, Minaxi; Usmani, Zeba; Hou, Tianyu; Netala, Vasudeva Reddy; Wang, Xin; **Gupta, Vijai Kumar** *Journal of Molecular Liquids* 2021 / Art. nr. 115951 <https://doi.org/10.1016/j.molliq.2021.115951> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)