



Statistical optimization of silver nanoparticle synthesis by green tea extract and its efficacy on colorimetric detection of mercury from industrial waste water

P. Prema^a, V. Veeramanikandan^b, K. Rameshkumar^c, Mansour K. Gatasheh^d,
Ashraf Atef Hatamleh^e, Ravindran Balasubramani^f, P. Balaji^g  

^a Department of Zoology, V.H.N. Senthikumara Nadar College (Autonomous), Virudhunagar, Tamilnadu, India

^b PG and Research Centre in Microbiology, MGR College, Hosur, India

^c Department of Zoology, Vivekananda College (Autonomous), Madurai, Tamil Nadu, India

^d Department of Biochemistry, College of Science, King Saud University, P.O. Box 2455, Riyadh, 11451, Saudi Arabia

^e Department of Botany and Microbiology, College of Science, King Saud University, P.O. Box 2455, Riyadh, 11451, Saudi Arabia

^f Department of Environmental Energy & Engineering, Kyonggi University, Suwon-si, Gyeonggi-do, 16227, South Korea

^g PG and Research Centre in Biotechnology, MGR College, Hosur, India