Meetings International
SciTechnol

Prashant P Chaudhari et al., J Pharm Sci Emerg Drugs 2018, Volume:6
DOI: 10.4172/2380-9477-C8-026

Greener synthesis, antimicrobial screening and plant growth regulator (PGR) evaluation of some novel azo (dipyrano) derivatives

Prashant P Chaudhari[1] and **Shankarsing S Rajput**[2]
[1]D Y Patil School of Engineering, India
[2]SVS's Dadasaheb Rawal College, India

The solvent-free synthesis of Azo (Dipyrano) derivatives was carried out with the help of PbO nanoparticles. They have been employed as an efficient catalyst at room temperature using green chemistry and clean approach. PbO nanoparticles were established to be highly efficient, renewable and eco-friendly heterogeneous catalyst. PbO nanoparticles were prepared by hydro-thermal method. This method furnished various advantages, such as straight forward work-up, environmentally benevolent, neutral condition and high yield. All the derivatives were characterized and interpreted for PGR and antimicrobial activities.

Biography

Prashant Chaudhari has published many research articles in international journals and filed several patents. Also, he is author of two international books. He is member of editorial board of many reputable scientific journals and serves as a reviewer for various prestigious journals. He is member of the organizing committee's numerous international conferences in Europe and Asia. He does research in Organic Chemistry, Green Chemistry, Environmental Engineering, Geotechnical Engineering and Nanotechnology. His current project is 'Mitigation Techniques of Soil Liquefaction in Mumbai Region'& 'Hybrid Solar –Electrical Battery Operated Simultaneous Heating and Cooling'. His research interest focuses on Organic Chemistry, Green Chemistry, Environmental Engineering, Geotechnical Engineering and Nanotechnology.

prashantchaudhari83@gmail.com