

Name : Dr. Swati Shalini

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Designation: Junior Scientist

Division/Lab: Therapeutic Antibody Lab

Educational qualification: MSc. Ph.D I.I.T, Delhi

Year of joining: 2017



Professional Experience: 7 years of research experience in biopharmaceutical production, Matlab and bioreactors operation. 3 Years 9 months of experience in regulatory norms of quality control testing of biologicals.

Research Area of Interest:

Process biotechnology, Microbial biotechnology, Molecular biology, cell culture and biochemical engineering

Publications:

1. Swati Shalini, Rashmi Srivastava, Harit Kasana, Mohit Sharma, Swati Sharma, Meenakshi Chaudhary, Priyanka Gupta, Charu Sharma, Sandeep Rawat, Dikamber Singh, Kallol Saha and Reba Chhabra. Analysis of market trend of Human Albumin and Coagulation factors in India. IJAR (2019) 10 (10), 1-5.
2. Ajay Kumar A, Suchitra, Divya S, Swati Shalini. Cholera Disease and its challenges with a focus on vaccine scenario: A Review. IJAR (2019), 6(10), 77-81.
3. Swati Shalini, Ajay Ade, Rekha Ahlawat, Virendra K Sikka. Poly- β -hydroxy butyrate production from renewable Agri byproducts as carbon source. IJAR (2019), 6(9), 207-211.

Patent:

1. Patent applied in 2019 and application number is E-137/2364/2019/DEL

Abstract:

1. Joint ECB2020 and IBS2020 Congress, from 28 June to 1 July, Maastricht, The Netherlands. Abstract title: "Modelling and optimization of Shikimic acid production by in-vitro bioreactor cultivation of Melia azederach cells".
2. 65th Annual Session of Indian Institute of Chemical Engineers CHEMCON-2012 and International Conference on "Sustainable Technologies for Energy and Environment in Process Industries" organized jointly by the IChE Doaba Regional Centre and the Department of Chemical Engineering Dr. B. R. Ambedkar National Institute of

Technology (NIT), Jalandhar during December 27-30, 2012. Abstract title: “Studies on mass scale shikimic acid (Raw material for TAMIFLU production)”.

Book Chapter:

1. Swati Shalini, Molecular characterization of polyhydroxy butyrate producing bacteria, published by Lambert Academic Publishing, 2012
2. Shilpi Jain and Swati Shalini. Synthetic biology in aid of bioactive molecules. Microbial Factories. DOI 10.1007/978-81-322-2595-9_12. Published by Springer, 2015.
3. Swati Shalini, Ankit Singla, Meenu Goyal, Vikender Kaur and Pardeep Kumar. Omics in Agriculture: Applications, Challenges and Future Perspectives, Crop Improvement for Sustainability. 978-93-5124-942-9 (Hb) 343-361. Published by Astral International Pvt. Ltd. 2018.