



Dr. Samrat Rakshit
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Centre/School/Special Centre: Life Sciences

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Qualifications: Ph. D.

Area of Interest/Specialization: Biochemistry and Molecular Pharmacology

Experience: 3 years of teaching experience

Awards and Honors:

- **Chhattisgarh Young Scientist Award in Biology** by Chhattisgarh Council of Science and Technology in March 2019.
- **Won 3rd Prize** for Oral presentation in 5th international conference on “Global innovations in science agriculture, engineering and technology” organized by Swami Vivekanand University, Sagar, 2017.
- **Won 2nd Prize** for poster presentation on ‘National Seminar on Herbal Drug Research: Current Status with Reference to Institute- Industry Interaction’, Opportunities and Challenges in Chhattisgarh Sponsored by Chhattisgarh Council of Science and Technology (CCOST) Organised by Siddhi Vinayaka Institute of Technology and Sciences, Near Deendayal Awas Yojna, Mangla, Bilaspur (C. G.) on 16th February 2016.

Best Peer Reviewed Publication (up-to 10):

- **Rakshit S, Khare RL, Lakkakula BV.** Meta-analysis shows no association of CYP3A5* 3 variant with acute renal rejection in kidney-transplant patients receiving tacrolimus based immunotherapy. *Journal of Preventive Epidemiology.* 2019;4(2): e18. ISBN 9780128220092.
- **Rakshit S, Verma A, Nirala SK and Bhadauria M.** Protective effect of rotenone against lipopolysaccharide and d-galactosamine induced hematotoxicity. *Asian Journal of Pharmaceutical and Clinical Research.* 2019;12(8):1-4.

- Verma A, **Rakshit S**, Nirala SK and Bhadauria M. Beryllium driven hematological and serological alteration that cured by chelation via naringenin in albino rats. Asian Journal of Pharmaceutical and Clinical Research. 2019;12 (9):116-119.
- **Rakshit S**, Nirala SK, Bhadauria M. Gallic Acid Protects from Acute Multiorgan Injury Induced by Lipopolysaccharide and D-galactosamine. Current Pharmaceutical Biotechnology. 2020 Jun 21; 14:1489-1504.
- **Rakshit S**, Lakkakula S, Bhaskar LV. CaSR gene A986S polymorphism contributes to the increased risk of primary hyperparathyroidism: A meta-analysis. Polymorphism. 2020 Oct 22; 5:87-95.
- **Rakshit S**, Shukla P, Verma A, Nirala SK, Bhadauria M. Protective role of rutin against combined exposure to lipopolysaccharide and D-galactosamine-induced dysfunctions in liver, kidney, and brain: Hematological, biochemical, and histological evidences. Journal of Food Biochemistry. 2021; 45: e13605. <https://doi.org/10.1111/jfbc.13605>

Recent Books/Book Chapters/Monographs etc.

- **Rakshit S**, Bhaskar LV. CYP1B1 rs1056836 polymorphism and endometrial cancer risk: A meta-analysis. A Theranostic and Precision Medicine Approach for Female Specific Cancers. 2020 Dec 4:263.
- **Rakshit S**, Bhaskar LV. An Intergenic Variant rs4779584 Between SCG5 and GREM1 Contributes to the Increased Risk of Colorectal Cancer: A Meta-Analysis. In Novel therapeutic approaches for gastrointestinal malignancies 2020 (pp. 159-169). Springer, Singapore.
- Sahu N, Rakshit S and Bhaskar, LVKS. **Risk factors and pathogenic mechanism-associated hepatocellular carcinoma. In Theragnostic and Precision Medicine for the Management of Hepatocellular Carcinoma.** Academic Press. 2022; pp. 33-49.