

Research Publications:

1. Yadav, S., Rawat, G., Tripathi, P., Saxena, R.K. (2014). A novel approach for biobutanol production by *Clostridium acetobutylicum* using glycerol: a low-cost substrate. *Renewable Energy*. 71: 37–42. **(Citation 46; Impact Factor 8.634; ISSN: 0960-1481)**.
2. Yadav, S., Rawat, G., Tripathi, P., Saxena, R.K. (2014). Dual substrate strategy to enhance butanol production using high cell inoculum and its efficient recovery by pervaporation. *Bioresource Technology*. 152: 377–383. **(Citation 13; Impact Factor 11.4; ISSN: 0960-8524)**.
3. Tripathi, P., Rawat, G., Yadav, S. and Saxena, R.K. (2014). Shikimic acid, a base compound for the formulation of swine/avian flu drug: statistical optimization, fed-batch and scale up studies alongwith its application as an antibacterial agent. *Antonie van Leeuwenhoek*. 107 (2): 419-431. **(Citation 18; Impact Factor 2.158; ISSN: 1572-9699)**.
4. Saran, S., Yadav, S. and Saxena, R.K. (2014). Development of a highly sensitive, fast and efficient screening technique for the detection of 2,3-butanediol by thin layer chromatography. *Journal of Chromatography & Separation Technique*. dx.doi.org/10.4172/2157-7064.1000251 **(Citation 1; Impact Factor 4.34; ISSN: 2157-7064)**.
5. Kumar, V., Yadav, S., Jahan, F., Raghuwanshi, S. and Saxena, R.K. (2013). Organic synthesis of maize starch based polymer using *Rhizopus oryzae* lipase, scale up and its characterization. *Preparative Biochemistry and Biotechnology*. 44(4): 321-31. **(Citation 8; Impact Factor 3.141; ISSN: 0377-2063)**.
6. Tripathi, P., Rawat, G., Yadav, S. and Saxena, R.K. (2013). Fermentative production of shikimic acid: a paradigm shift of production concept from plant route to microbial route. *Bioprocess and Biosystems engineering*. 36 (11): 1665-1673. **(Citation 17; Impact Factor 3.434; ISSN: 1615-7605)**.
7. Rawat, G., Tripathi, P., Yadav, S. and Saxena, R.K (2013). An interactive study of influential parameters for shikimic acid production using statistical approach, scale up and its inhibitory action on different lipases. *Bioresource Technology*. 144: 675–679. **(Citation 15; Impact Factor 11.4; ISSN: 0960-8524)**.
8. Anand, P., Saxena, R.K., Yadav S., Jahan, F. (2010). A greener solution for darker side of biodiesel: utilization of glycerol in 1,3-propanediol production. *Journal of Biofuels*. 1(1) 83– 91. **(Citation 9; ISSN: 0976-4763)**