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 5; Impact Factor 3.476; 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 3; Impact Factor 4.494; 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 1; Impact Factor 1.806; 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 1.78; 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 2; Impact Factor 0.911; 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 8; Impact Factor 1.997; 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 3; Impact Factor 4.494; 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).**

Presentations at International Conferences

1 Presentation on "Potential of *Clostridium acetobutylicum* for butanol production using glycerol" in the Indraprastha International Conference on Biotechnology, October, 22-25, 2013, held at University School of Biotechnology, Guru Gobind Singh Indraparastha University.

2 Presentation on "Butanol: Conversion of glycerol into biobutanol by *Clostridium acetobutylic*um: turning bacteria into biofuel factories" in the European Biotechnology Congress, May 16-19, 2013, Bratislava, Slovakia.

3 Presentation on "Butanol: A Burning issue for the second-generation biofuels" in the International Symposium on "New Horizons in Bioenergy Research (NHBR-2013)" (January 14-16, 2013). IIT Kharagpur.

4 Poster presented on "Potential of *Clostridium acetobutylicum* KF158795 for ABE fermentation using glycerol as a raw material" in the international conference on "Asian Congress on Biotechnology 2013" under the aegis of Asian Federation of Biotechnology, held at IIT, New Delhi (December 15-16, 2013), India.

5 Presentation on "Butanol: A Burning issue for the second generation biofuels" in the 9th BRSI Convention and International Conference on Industrial Biotechnology, November, 21-23, 2012, Punjabi University, Patiala.

6 Poster presented on "Biobutanol production by *Clostridium acetobutylicum* from glycerol a low-cost substrate" in the international conference on "New Horizons in Biotechnology", VIII Convention of the Biotech Research Society, India (www.brsi.in) held at National Institute for Interdisciplinary Science and Technology, CSIR, Trivandrum (November 21-24, 2011), India.
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7 Indo – Italian Conference on "Green Chemistry and Natural Products" at Department of Chemistry, University of Delhi, New Delhi on 5-6 December 2009.

8 Poster presented on "Microbial production of n-butanol: a potential future biofuel" in the Indo – Italian Conference on "Green Chemistry and Natural Products" at Department of Chemistry, University of Delhi, New Delhi on 5-6 December 2008.

Other responsibilities:

1. Currently working as an editorial member in the Newsbulletin of Microbiologists Society, India titled, "MICROBIOVISION".

2. Serving as a Coordinator of Delhi State in the Microbiologists Society, India.