

List of Publications:

1. Singh, Y. and Singh, R. (2020) Inventorizations of Weed Species from Wheat Crop Fields of District Fatehgarh Sahib, Punjab (India). *International Journal of Current Microbiology and Applied Sciences*. 9(4): 1245-1254 (**NAAS Score: 5.38**)
2. Singh, G., Dutta, J. and **Singh, Y.** (2019) Avifaunal Diversity of Wetlands in Punjab with Special Reference to Emerging Issues And Challenges. *eJournal of Applied Forest Ecology*, 7(1): 14-18.
3. **Singh, Y.** and Singh, R. (2019) Weed diversity in rice crop fields of Fatehgarh Sahib District, Punjab, India. *Journal of Threatened Taxa*, 11(5): 13611-13616 (**NAAS Score: 5.1**)
4. Kaur, S., Khattar, J.I.S., **Singh, Y.**, Singh, D.P., Ahluwalia, A.S. (2019) Extraction, purification and characterisation of Phycocyanin from *Anabaena fertilissima* PUPCCC 410.5: as a natural and food grade stable pigment. *J. Appl. Phycol.*, 31(3) 1685–1696 (**Impact Factor: 2.401**)
5. **Singh, Y.**, Gulati, A., Singh, D.P., Khattar, J.I.S. (2018) Cyanobacterial Community Structure in Hot Water Springs of Indian North Western Himalayas: a Morphological, Molecular and Ecological Approach. *Algal Research*, 29: 179-192 (**Impact Factor: 3.745**)
6. Kaushal, S., **Singh, Y.**, Khattar J.I.S., Singh, D.P. (2017) Phycobiliprotein production by a novel cold desert cyanobacterium *Nodularia sphaerocarpa* PUPCCC 420.1. *J. Appl. Phycol.*, 29: 1819–1827 (**Impact Factor: 2.401**)
7. Singh, D. P., Khattar, J.I.S., Kaur, G., **Singh Y.** (2016) Toxicological Impact of Herbicides on Cyanobacteria. *Ann. Res. Rev. Biol.* 9(4): 1-39 (**NAAS Score: 4.79**)
8. Singh, D. P., Khattar, J.I.S., Alka, Kaur, G., **Singh Y.** (2016) Toxicological effect of pretilachlor on some physiological processes of cyanobacterium *Synechocystis* sp. strain PUPCCC 64. *J. Appl. Biol. Biotech.* 4 (1): 012-019
9. Khattar, J.I.S., Kaur, S., Kaushal, S., **Singh, Y.**, Singh, D.P., Rana, S., Gulati, A. (2015) Hyperproduction of phycobiliproteins by the cyanobacterium *Anabaena fertilissima* PUPCCC 410.5 under optimized culture conditions. *Algal Research*, 12: 463–469 (**Impact Factor: 3.745**)
10. Singh, D.P., Khattar, J.I.S., Kaur, G., Gupta, M., **Singh, Y.** And Gulati, A. (2015) Effect of pretilachlor on nitrogen uptake and assimilation by cyanobacterium *Desmonostoc muscorum* PUPCCC 405.10. *Acta Physiol. Plant.* **37**: 177 DOI 10.1007/s11738-015-1923-7 (**Impact Factor: 1.438**)
11. Khattar, J.I.S., Shahnaz Parveen, **Singh, Y.**, Singh, D. P. And Gulati, A. (2015) Intracellular uptake and reduction of hexavalent chromium by the cyanobacterium *Synechocystis* sp. PUPCCC 62. *J. Appl. Phycol.*, **27**: 827-837. (**Impact Factor: 2.401**)
12. **Singh, Y.**, Khattar, J.I.S, Singh, D. P., Rahi, P. And Gulati, A. (2014) Limnology and cyanobacterial diversity of high altitude lakes of Lahaul-Spiti in Himachal Pradesh, India. *J. Biosci.*, **39(4)**: 643-657. (**Impact Factor: 1.528**)
13. Singh, D.P., Khattar, J.I.S., Kaur, M., Kaur, G., Gupta, M. and **Singh, Y.** (2013). Anilofos tolerance and mineralization by the cyanobacterium *Synechocystis* sp. Strain PUPCCC 64. *PloS One* 8(1):e53445. Doi:10.1371/journal.pone0053445. (**Impact Factor: 2.766**)

14. Singh, D.P., Khattar, J.I.S., Kaur, K., Sandhu, B.S. and **Singh, Y.** (2012). Toxicological impacts of anilofos on some physiological processes of a rice field cyanobacterium *Anabaena torulosa*. *Toxicol. Environ. Chem.* 94: 1304-1318. (**Impact Factor: 0.972**)
15. Singh, D.P., Khattar, J.I.S., Nadda, J., **Singh, Y.**, Garg, A., Kaur, N. and Gulati, A. (2011). Chlorpyrifos degradation by the cyanobacterium *Synechocystis* sp. PUPCCC 64. *Environ. Sci. Pollut. Res.* 18(8): 1351-1359. (**Impact Factor: 2.828**)
16. Khattar, J.I.S., Singh, D.P., Jindal, N., Kaur, N., **Singh, Y.**, Rahi P. and Gulati A. (2010). Isolation and characterization of exopolysaccharides produced by the cyanobacterium *Limnothrix redekei* PUPCCC 116. *J. Applied Biochem. Biotechnol.* 162:1327-1338. (**Impact Factor: 1.797**)
17. Singh, D.P., Khattar, J.I.S. and **Singh Y.** (2009). Effect of pesticides on the distribution pattern of cyanobacteria in a rice field ecosystem. *J. Indian Bot. Soc.* 88 (1&2): 163-169. (**NAAS Score: 3.51**)
18. Singh, D.P., Khattar, J.I.S., Kaur G. and **Singh Y.** (2007) Cyanobacterial diversity in rice fields of Malwa region of Punjab and their tolerance to chlorpyrifos. *J. Punjab Acd. Sci.* 4 (1&2): 106-113.

Books Chapters

1. Kaur, G., Khattar, J.I.S., Singh, D.P., **Singh Y.** and Nadda J. (2009). Microalgae: A source of natural colours. In: J.I.S. Khattar, D.P. Singh and G. Kaur (Eds). *Algal Biology and Biotechnology*. I. K. International Publishing House Pvt. Ltd. New Delhi. pp. 129-150.
2. Khattar, J.I.S., **Singh, Y.**, Shahnaz Parveen, Singh, D.P. (2016) Microalgal Biofuels: Flexible Bioenergies for Sustainable Development. In: R.S. Singh, A. Pandey and E. Gnansounou (Eds). *Biofuels: Production and Future Perspectives*. CRC press, Taylor and Francis Group, London. pp. 332-351