1. Publications in National and International Journals:

1. Archana, A., **Kaur, P.,** Kanodia, S., Gupta, S., Priyanka, Khuntia, P., Anant, K. A., Saha, M. K., Jaiswal, S., Sharma, A., Tiwari, A., Mehra, A., Panchal, A. and Kumar, S. (2015). Evaluating Microbial & Chemical Quality of Delhi-NCR Drinking Water, enhancing its Standard & Spreading mass awareness. Journal of Undergraduate Research and Innovation. Paper number 2, Volume 1.
2. **Kaur, P.**, Joshi, S. and Satyanarayana, T. (2014) Psychrophilic and psychotolerant mycelial fungi. Kavaka 42: 112-122.
3. **Kaur, P.**, Verma, D. and Satyanarayana, T. (2011) Recycling of spent medium from *Pichia anomala* MTCC-4133 phytase fermentation for the production of useful microbial products. Kavaka. 39; 19-24.
4. Vohra, A., **Kaur, P.** and Satyanarayana, T. (2011) Production, characteristics and applications of the cell bound phytase of *Pichia anomala*. Antonie Van Leeuwenhoek-International Journal of General and Molecular Microbiology. 99; 51-55 [IF: 2.07]
5. **Kaur, P.**, Singh, B., Böer, E., Straube, N., Piontek, M., Satyanarayana, T. and Kunze, G. (2010) Pphy – a cell-bound phytase from the yeast *Pichia anomala*: molecular cloning of the gene PPHY and characterization of the recombinant enzyme. Journal of Biotechnology 149; 8-15. [IF: 3.183]
6. **Kaur, P.** and Satyanarayana, T. (2010) Improvement in cell-bound phytase activity of *Pichia anomala* by permeabilization and applicability of permeabilized cells in soymilk dephytinization. Journal of Applied Microbiology 108; 2041-2049. [IF: 2.196]
7. **Kaur, P.**, Kunze, G. and Satyanarayana, T. (2007). Yeast phytases: present scenario and future perspectives. Critical Reviews in Biotechnology, 27; 93-109. [IF: 5.10]
8. **Kaur, P.**, Lingner, A., Singh, B., Boer, E., Polajeva, J., Steinborn, G., Bode, R., Gellissen, G., Satyanarayana, T. and Kunze, G. (2007) APHO1 from the yeast *Arxula adeninivorans* encodes an acid phosphatase of broad substrate specificity. Antonie Van Leeuwenhoek-International Journal of General and Molecular Microbiology 91; 45-55. [IF: 2.07]
9. Minocha, N., **Kaur, P.**, Satyanarayana, T. and Kunze, G. (2007) Acid phosphatase production by recombinant *Arxula adeninivorans*. Applied Microbiology and Biotechnology 76; 387–393. [IF: 3.69]
10. **Kaur, P.** and Satyanarayana, T. (2005) Production of cell-bound phytase by *Pichia anomala* in an economical cane molasses medium: optimization using statistical tools. Process Biochemistry 40 (9); 3095-3102. [IF: 2.529]
11. **Kaur, P.** and Satyanarayana, T. (2004) Production and starch saccharification by a thermostable and neutral glucoamylase of a thermophilic mould *Thermomucor indicae-seudaticae.* World Journal of Microbiology and Biotechnology. 20 (4); 419-425. [IF: 1.262]

12. Satyanarayana, T., Vohra, A. and **Kaur, P**. (2004) Phytase in animal productivity and environmental management. Productivity 44: 542-548.
13. Satyanarayana, T., Noorwez, S. M., Kumar, S., Uma Maheswar Rao, J. L., Ezhilvannan, M. and **Kaur, P**. (2004) Development of an ideal starch saccharification process using amylolytic enzymes from thermophiles. Biochemical Society Transactions. 32; 276-278. [IF: 2.59]
14. **Kaur, P**. and Satyanarayana, T. (2001) Partial Purification and Characterization of Glucoamylase of thermophilic mould *Thermomucor indicae-seudaticae*. Indian Journal of Microbiology, 41; 195-199. [IF: 0.457]

2. Chapters in Edited Books

1. **Kaur, P**., Vohra, A. and Satyanarayana, T. (2021). Multifarious Applications of Fungal Phytases. In: 'Encyclopaedia of Mycology' (Eds. O. Zaragoza and A. Casadevall). Elsevier Inc., Volume 2, pp. 358-369. (doi: 10.1016/B978-0-12-819990-9.00028-7)
2. **Kaur, P**., Vohra, A. and Satyanarayana, T. (2021). Developments in Fungal Phytase Research: Characteristics and Multifarious Applications. In: 'Progress in Mycology: Biology and Potential Biotechnologies' (Eds. T. Satyanarayana, S.K. Deshmukh and M.V. Deshpande). Springer-Nature (In Press).
3. **Kaur, P**., Vohra, A. and Satyanarayana, T. (2013). Laboratory and Industrial Bioreactors for Submerged Fermentations. In: 'Fermentation Processes Engineering in the Food Industry' (Eds. C. R. Soccol, A. Pandey and C. Larroche). CRC Press, Boca Raton London New York, pp. 165 - 179.
4. **Kaur, P**. and Satyanarayana, T. (2009). Yeast acid Phosphatases and Phytases: Production, Characterization and Commercial Prospects. In: Yeast Biotechnology: Diversity and Applications (Eds. T. Satyanarayana and G. Kunze). Springer Netherlands, pp 693-714.
5. Singh, B., **Kaur, P**. and Satyanarayana, T. (2009). Thermophilic mold and yeast phytases: Production, characteristics and applications. In: Agriculturally Important Microorganisms (Eds. G.G. Khachatourians, D.K. Arora, T.P. Rajendran and, A.K. Srivastava), Academic World International, USA, Volume II, pp 317-345.
6. **Kaur, P**., Singh, B and Satyanarayana, T. (2007). Microbial phytases in combating environmental phosphorus pollution. In: Air, water and soil pollution (Ed. K.K. Singh, A. Tomar, V. Phogat and S. Phogat). M.D. Publications Pvt. Ltd., New Delhi, pp 150-190.
7. **Kaur, P**. and Satyanarayana, T. (2006). Developments in production, characteristics and potential applications of yeast phytases. In: Current concepts in Botany (Eds. K.G. Mukherji and C. Manoharachary). I.K. International Publishing House Pvt. Ltd., New Delhi, pp 377-394.
8. Singh, B., **Kaur, P**. and Satyanarayana, T. (2006). Fungal phytases in ameliorating nutritional status of foods and combating environmental phosphorus pollution. In: Microbes-Health and Environment (Eds. A.K. Chauhan and Ajit Verma). I.K. International Publishing House Pvt. Ltd., New Delhi, pp 289-326.

3. E-Content:

1. **Kaur, P.** (2014). Industrial Applications of microbes. Chapter published online on ILLL (Institute of Life Long Learning) website.
2. **Kaur, P.** (2013). Control of microorganisms by physical and chemical methods. Chapter published online on ILLL (Institute of Life Long Learning) website.

4. Popular Science Articles:

1. **Kaur, P.** and Satyanarayana, T. (2004) Probiotics: A beneficial health option. Everyman's Science 39: 224-229.
2. **Kaur, P.**, Singh, B., Vohra, A. and Satyanarayana, T. (2003) Fabulous phytases: Diverse functions in the living world and commercial prospects. The Botanica 53: 1-8.

5. Papers presented in Conferences:

1. **Kaur, P.** 2011. 'Cell-bound phytase of *Pichia anomala*'- Oral presentation for Young Scientist Award (First Prize). International Conference on Microorganisms in Environmental Management and Biotechnology (ICMEMB-2011), Barkatullah University, Bhopal.
2. Vohra, A., **Kaur, P.** and Satyanarayana, T. 2010. Cost-effective phytase from the yeast *Pichia anomala* and its environment-friendly applications in animal feeds and aquaculture. International Symposium on Cross disciplinary Microbiology: Avenues and Challenges [AMI 2010-CMAC], Birla Institute of Technology (BIT), Meesra, Ranchi.
3. **Kaur, P.** and Satyanarayana, T. 2008. Permeabilization of the yeast *Pichia anomala* cells for ameliorating cellbound phytase activity and its applicability in dephytinizing soymilk. International Symposium on Microbial Biotechnology: Diversity, Genomics and Metagenomics, 49th Annual conference of AMI. Delhi University, Delhi.
4. **Kaur, P.** and Satyanarayana, T. 2006. Characteristics and potential applications of cell-bound phytase of *Pichia anomala*. Microbiology: The Challenges Ahead, 47th Annual conference of AMI. Barkatullah University, Bhopal.
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7. Vohra, A., **Kaur, P.**, and Satyanarayana, T. 2003. Cell bound phytase of *Pichia anomala*: Purification and Characterization. YEAST 2003, An International meeting on yeast biology. IMTech, Chandigarh.
8. **Kaur, P.** and Satyanarayana, T. 2003. Glucoamylase production by a thermophilic mould *Thermomucor indicae-seudaticae* in submerged fermentation. BIOHORIZON 2003. IIT, Delhi.
9. **Kaur, P.** and Satyanarayana, T. 2001. Glucoamylase of the thermophilic mould *Thermomucor indicae-seudaticae.* THERMOPHILES 2001, International conference on Biology and Biotechnology of Thermophilic Microbes. UDCS, New Delhi.

10. Kaur, P. and Satyanarayana, T. 2000. Production and characterization of glucoamylase of thermophilic mold *Thermomucor indicae-seudaticae*. MICROBIOTECH, 41st Annual Conference of AMI. Birla Institute of Scientific Research, Jaipur, Rajasthan.