FACULTY PROFIL



# Dr. PRIYANKA B S

M.Sc., ASSISTANT PROFESSOR

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| **Programme** | **Specialization** | **Institution/University** |
| B.Sc | Biotechnology | JSS College, Ooty Road, Mysuru-25 (Autonomous) |

PARTICIPATION IN SEMINARS/ CONFERENCE/ SYMPOSIUM/ WORKSHOP:

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| **Sl.**  **No.** | **Name of the Conference**  **/Seminar**  **/Symposium/Workshop** | **Type of Programme** | **Role** | **Venue/place** | **Date** |
| **1** | Faculty Induction Programme, | Induction Programme | Participant | JSS College of Arts, Science & Commerce, Mysore. | 6, 7-10-  2019 |
| **2** | Teachers Capacity Building | One day Workshop | Participant | JSS College, B N Road, Mysuru | 13-02-  2020 |
| **3** | Physical Sciences, Biological sciences, Social Sciences and Humanities | Four day Frontier Lecture Series | Participant | JSS College, B N Road, Mysuru | 26-02-  2020 |

# Articles in journals

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| **Sl. No** | **Title** | **Name of Journal** | **Date of Publication** | **Volume No/Issue No/Page No** |
| 1 | Downstream processing of luciferase from fireflies (*Photinus pyralis*) using aqueous two- phase extraction | *Process Biochemistry*. | 2012 | 47:1358–1363 |
| 2 | Reverse micelles-mediated transport of lipase in liquid emulsion membrane for downstream processing. | *Biotechnology Progress* | 2012 | 28:1542-1550. |
| 3 | Optimization of extraction of luciferase from fireflies (*Photinus pyralis*) using aqueous two- phase extraction. | *Separation and Purification Technology* | 2012 | 118: 40-4. |
| 4 | ATPase inhibitor based luciferase assay for prolonged and enhanced ATP pool measurement  as an efficient fish freshness indicator. | *Analytical and bioanalytical*  *chemistry.* | 2014; | 406: 4541-4549 |
| 5 | Integrated Approach for the Extraction and Purification of Igy From Chicken Egg Yolk | *Separation Science and Technology*. | 2014; | 49:562-568. |
| 6 | Mixed reverse micelles facilitated downstream processing of lipase involving water‐oil‐water liquid emulsion membrane. | *Biotechnology progress.* | 2014 | 30:1084-1092. |
| 7 | . Effect of Thermosonication on Bacterial Count in Artificially Inoculated Model System and Natural Microflora of Sugarcane Juice. | *Journal of Food Processing and Preservation* | 2016 | DOI: 10.1111/jfpp.1281  3 |
| 8 | Combined effect of ozone and lactic acid for the preservation of sugarcane juice. | *Ozone science and engineering* | 2018 | 40 (3):198- 208 |
| 9 | Selective extraction of lipase and amylase from enzyme mixture by employing liquid emulsion membrane. | *Biotechnology Progress* | 2019 | DOI 10.1002/btpr.2624 |

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| ***Book Chapters*** |
| Bhowal S, **Priyanka BS**, Nandini KE, Rastogi NK, Ways and Means for the Downstream Processing of Lipase Biotechnology Vol. 12: 01218, Bioprocess/Biochemical Engineering, 2013.  **Priyanka BS**, Rastogi NK, Tiwari BK. Opportunities and Challenges in Application of Ozone in Food Processing. Emerging Technologies in Food Processing, Editor Da-Wen Sun., Second Edition, Academic Press, Elsevier, London, UK. 2014.  **Priyanka BS**, Rastogi NK. (2017) Food enzymes; their novel methods of extraction. Chapter 11. Book entitled “Recent Advance in Biotechnology”. Shree Publishers & Distributors. New Delhi–110  002. Page no- 143-154 |