


Rajiv Gandhi Institute of IT and Biotechnology  
Faculty Profile

Name	Shamim Shaikh		
Designation	Associate Professor & I/C Principal		
Qualifications	MSc- Biochemistry; B.Ed; PhD- Biochemistry		
Contact	020-24379013 9823012032 e-mail: shamim.shaikh@bharativedyapeeth.edu		
Areas of Interest	Enzymology; Protein-Carbohydrate Chemistry, Waste Utilization		
Publications	International Journals 14	National Journals	
Workshop/Seminar/Conferences attended	15		
Additional Activities/ Responsibilities	<ul style="list-style-type: none"> <li>• Chairman-BoS- Biotechnology, BVDU</li> <li>• Member- Faculty of Science, BVDU</li> <li>• Member of Board of Management- BVDU</li> <li>• Member BoS- Biotechnology and Microbiology- Abeda Inamdar College of Arts, Commerce &amp; Science, Pune</li> <li>• Member BoS- Biotechnology and Bioinformatics- SPPU, Pune</li> <li>• Member BoS- Biotechnology Modern College, Pune</li> </ul>		

List of Publications	
Sr. No	
1	RS Tupe, N Bangar, A Nisar, A Kulkarni, N Sankhe, R Chauhan, N Mistry, <b>SA Shaikh</b> Piperine exhibits preventive and curative effect on erythrocytes membrane modifications and oxidative stress against in vitro albumin glycation. Journal of Food Biochemistry 45 (8), e13846. <b>2021</b>
2	ZS Khan, NS Chatterjee, A Shabeer TP, <b>S Shaikh</b> , K Banerjee Profile of Triacylglycerols, Phenols, and Vitamin E of ManjariMedika Grape Seed Oil and Cake: Introducing a Novel Indian Variety. European Journal of Lipid Science and Technology. April 2020 (122 (4), 1900356)
3	ZS Khan, A Mandal, S Maske, TPA Shabeer, N Gaikwad, <b>S Shaikh</b> , K Banerjee. Evaluation of fatty acid profile in seed and oil of Manjari Medika, a novel Indian

	grape cultivar and its comparison with Cabernet Sauvignon and Sauvignon Blanc., Sustainable Chemistry and Pharmacy March 2020; 16, 100253
4	Remya Nair, Nitesh K. Khandelwal, Md. Shariq, Archana K. Redhu, Naseem A. Gaur, <b>Shamim Shaikh</b> and Rajendra Prasad. Identification of genome-wide binding sites of heat shock factor 1, Hsf1, under basal conditions in the human pathogenic yeast, <i>Candida albicans</i> . <i>AMB Expr</i> (2018) 8:116. ( <a href="https://doi.org/10.1186/s13568-018-0647-7">https://doi.org/10.1186/s13568-018-0647-7</a> )
5	Remya Nair, Mohd Shariq, Sanjiveeni Dhamgaye, Chinmay K. Mukhopadhyay, <b>Shamim Shaikh</b> , Rajendra Prasad,* (2017), Non-heat shock responsive roles of HSF1 in <i>Candida albicans</i> are essential under iron deprivation and drug defense. <i>Biochimica et Biophysica Acta</i> , vol:1864, pg 345–354
6	Tupe R*, Kulkarni A, Adeshara K, Sankhe S, <b>Shaikh S</b> , Dalal S, Bhosale S, Gaikwad S. Zinc inhibits glycation induced structural, functional modifications in albumin and protects erythrocytes from glycated albumin toxicity. <i>International J of Biological Macromolecules</i> 2015; 79, 601–610 (Impact Factor is 3.02)
7	Tupe R*, Kulkarni A, Adeshara K, <b>Shaikh S</b> , Shah N, Jadhav A. <i>Syzygium jambolanum</i> and <i>Cephalandra indica</i> homeopathic preparations inhibit albumin glycation and protect erythrocytes: an in vitro study. <i>Homeopathy</i> [Epub ahead of print] (Impact Factor is 0.746)
8	Tupe RS*, Sankhe NM, <b>Shaikh SA</b> , Kemse NG, Khaire AA, Phatak DV, Parikh JU. Nutraceutical properties of dietary plants extracts: Prevention of diabetic nephropathy through inhibition of glycation and toxicity to erythrocytes and HEK293 cells. <i>Pharmaceutical Biology</i> , 2015, 53 (1), 40–50 (Impact Factor is 1.206)
9	Tupe RS*, Sankhe NM, <b>Shaikh SA</b> , Phatak DV, Parikh JU, Khaire AA, Kemse NG. Aqueous extract of some indigenous medicinal plants inhibits glycation at multiple stages and protects erythrocytes from oxidative damage - An in vitro study. <i>J Food Sci Tech</i> , 2015, 52(4):1911-23 (Impact Factor is 2.02)
10	R. C. Patil, Tushar P. Murugkar, <b>Shamim A. Shaikh</b> . Extraction of pectinase from pectinolytic bacteria isolated from carrot waste. <i>International journal of Pharma and Biosciences</i> , 3, 261-266, 2012
11	Pradnya Chavan, Sarika Mane, Girish Kulkarni, <b>Shamim Shaikh</b> , Vandana Ghormade, Devidas P. Nerkar, Yogesh Shouche and Mukund V. Deshpande Natural yeast flora of different varieties of grapes used for wine making in India (2009) <i>Food Microbiology</i> , 26: 801-808.
12	<b>S.A. Shaikh</b> ; J.M. Khire and M.I. Khan. (1999) Characterization of a thermostable extracellular $\beta$ -galactosidase from a thermophilic fungus <i>Rhizomucor</i> sp. <i>Biochimica et Biophysica Acta</i> . <b>1472</b> : 314-322.

13	<b>S.A. Shaikh</b> ; J.M. Khire and M.I. Khan (1997) Production of $\beta$ -galactosidase from thermophilic fungus <i>Rhizomucor</i> sp. J. Ind. Microbiol. Biotechnol. <b>19</b> : 239-245.
14	<b>Shaikh S. A.</b> and Deshpande M. V. (1993) Chitinolytic enzymes: Their contribution in basic and applied research. <i>World J. Microbiol. Biotechnol.</i> <b>9</b> : 468-475.