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| Education and experience | <ul style="list-style-type: none"> <li>• PhD in Biochemistry from University of Pune in 1990.</li> <li>• Working in NCL for 30 years.</li> </ul>   |
| Achievements             | <ul style="list-style-type: none"> <li>• Recognition as a research guide from University of Pune in the subject of <b>Biochemistry</b> and <b>Biotechnology</b>.</li> <li>• <b>55</b> research publications in international journals.</li> <li>• <b>Number of Ph D students guided:</b> Three independent and fourteen in collaboration. Presently three students are associated.</li> </ul>  |
| Research subjects:       | <ul style="list-style-type: none"> <li>• Biochemistry</li> <li>• Biotechnology</li> </ul>  |
| Research Areas           | <ul style="list-style-type: none"> <li>• Enzymology</li> <li>• Protein Chemistry (biochemistry and biophysics)</li> <li>• Carbohydrate-protein interactions</li> </ul>   |
| Recent publications      | <ul style="list-style-type: none"> <li>• Madhurima S. Wakankar, Krunal A. Patel, Musti V. Krishnasastry , <b>Sushama M. Gaikwad</b><sup>*</sup> (2013) Solution and <i>in silico</i> studies on the recombinant lectin from <i>Cicer arietinum</i> seeds. <b>Int. J. Biol. Macromol.</b> (2013) 56: 149-155.</li> <li>• Devipriya R. Majumder, Pradnya P. Kanekar, <b>Sushama M. Gaikwad</b> (2013) Purification and characterization of a thermolysin like protease from <i>Thermoactinomyces thalpophilus</i> MCMB-380. <b>Protein and Peptide Letters (In press)</b></li> <li>• Madhurima S. Wakankar, Krunal A. Patel, Musti V. Krishnasastry , <b>Sushama M. Gaikwad</b><sup>*</sup> (2013) Solution and <i>in silico</i> ligand binding studies of <i>Cicer arietinum</i> lectin. <b>Biochemistry and Physiology (Special Issue- Proteins Structure and Function) (Open access)( In Press)</b></li> <li>• Sonali B. Rohamare, Vaishali Dixit, Pavan Kumar Nareddy, D. Sivaramakrishna, Musti J. Swamy, <b>Sushama M. Gaikwad</b><sup>*</sup> (2013) Polyproline fold – in imparting kinetic stability to an alkaline serine endopeptidase <b>Biochim. Biophys. Acta (proteins and Proteomics)</b> 1834:708-716.</li> <li>• Manasi Mishra, Rakesh S. Joshi, <b>Sushama Gaikwad</b>, Vidya S. Gupta and Ashok P. Giri. (2013) Structural-functional insights of single and multi-domain <i>Capsicum annuum</i> protease inhibitors <b>Biochem. Biophys. Res. Commun.</b>430: 1060-1065.</li> </ul> |