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| Education and<br>experience<br>Achievements | <ul> <li>B. Chem. Engg. (UDCT, Mumbai), Ph. D. (Chem. Eng.; IIT Bombay)</li> <li>Research Experience of ~20 years and Industrial Experience of 2 Years.</li> <li>Industrial Consultant to more than 10 Industries.</li> <li>Visiting Faculty at Tohoku University, Japan (1998-99)</li> <li>Visiting Scientist, Korea Institute of Energy Research, South Korea (04-05).</li> <li>Pune University-Recognized Guide for Post-Graduate program in<br/>Chemical Engineering. Guided several post-graduate students.</li> <li>Invited as Visiting Scientist/Faculty at Korea Institute of Energy<br/>Research, S. Korea and Tohoku University, Japan.</li> <li>Successfully handled various industrial projects as Project Leader</li> </ul>   |
| Research Subjects                           | Chemical Engineering, Biochemical Engineering, Environmental Engg.   |
| Research Areas Recent publications          | <ul> <li>Advanced Separation Processes</li> <li>Catalytic Reaction/Reactor Engineering</li> <li>Applied research in nanomaterials/ Process Development/Engineering</li> <li>Bioseparations</li> <li>Wastewater Treatment and Environmental Pollution Control</li> <li>Bhandari V. M., Yonemoto T. and Juvekar V. A. Investigating the differences in acid separation behaviour on weak base ion exchange resins. <i>Chem. Eng. Sci.</i>, 55(24), 6197-6208 (2000).</li> <li>Fukumura T., Bhandari V. M., Kitakawa A. and Yonemoto T. Continuous separation of ternary mixture of amino acids using rotating annular chromatography with partially recycling effluent. <i>Prog. Biotechnol.</i>, 16 (Bioseparation Engineering), Elsevier Science B. V., 35-40 (2000).</li> <li>Mane J. D., Modi S., Nagawade S., Phadnis S. P. and Bhandari V. M.</li> </ul> |
|   | <ul> <li>Treatment of spentwash using chemically modified bagasse and colour removal studies. <i>Bioresource Technology</i>, 97, (14), 1752-55 (2006).</li> <li>Bhandari V. M., Ko C. H., Park J. G., Han S. S., Cho S. H. and Kim J. N. Desulfurization of diesel using ion exchanged zeolites, <i>Chem. Eng. Sci.</i>, 61(8), 2599-2608 (2006).</li> <li>Sonawane S. H., Chaudhari P. L., Ghodke S. A., Parande M. G., Bhandari V. M., Mishra S., Kulkarni R. D. "Ultrasound assisted synthesis of Polyacrylic Acid-Nanoclay nanocomposite and its application in sonosorption studies of Malachite Green dye" <i>Ultrasonics and Sonochamietry</i> 16, 351 355 (2000)</li> </ul>  |