



Name – Dr. Rucha Joshi (Biomedical Engineer • Engineering Education Researcher • Leader • Author • Badminton Player • Motivator • Entrepreneur)

Batch – 2008-09

Current Position –

Faculty, Department of Biomedical Engineering, University of California Davis, USA

Profile –

Rucha Joshi pursued her B.E. Biotechnology from Department Biotech Engineering during 2005-2009. From her 10+2 level, she was associated with Kishor Vigyan Parishad through Kishore Vaigyanik Protsahan Yojana (KVPY). She also worked on a technology of 'Manufacturing of low-calorie biscuits from Banana Peels' in her 12th and First year of Engineering where she was motivated to generate IP at KIT and got a patent. After completion of undergrads she applied and got admitted to Vanderbilt University for Master of Science in Tissue Engineering and followed by completion of her Ph.D at Purdue University. Now she is faculty in University of California. She is indeed our proud alumnus. She is also all rounder in all different fields.



Name - Dr. Kakasaheb Nandiwale

Batch – 2010-11

Current position – Researcher (Post-doctoral fellow) at Massachusetts Institute of Technology (MIT) Cambridge, Massachusetts

Profile –

Kakasaheb Nandiwale pursued his B.E. Biotechnology from Department Biotech Engineering during 2007-2010. Coming from a very poor family background and rural area from Solapur district, he was very sincere and hardworking and determined student. Dr. Kakasaheb Nandiwale received his bachelor's degree in Biotechnology Engineering from KIT's College of Engineering, Shivaji University in 2011 and his master's degree in Chemical Engineering in 2013 from the University Institute of Chemical Technology, Jalgaon in India. From 2012 to 2015, he pursued research to develop catalytic processes for conversion of biomass into chemicals and fuels at CSIR-National Chemical Laboratory (NCL) in Pune, India. He joined the University of Kansas (KU), USA in January, 2015 to pursue his doctoral degree. His Ph.D. research at KU under the guidance of Prof. Bala Subramaniam was focused on "Development of catalysts and processes for deconstruction of wood and grass lignins to stable phenolic compounds." He received Ph.D. with honors in Chemical Engineering from KU in February, 2019. From February, 2019, he is working as a Postdoctoral Research Associate at Massachusetts Institute of Technology (MIT), Department of Chemical Engineering, under the guidance of Prof. Klavs F. Jensen. His research at MIT focuses on "Multiphase continuous flow manufacturing of pharmaceuticals, process optimization, and separation of APIs in flow." Dr. Nandiwale has authored over 25 publications and a U.S. patent.



Name – Dr. Kushal Satpute

Batch – 2009-10

Current Position – Principal Scientist (Small Molecule R&D) Biocon Ltd. Bangalore

Profile –

Kushal Satpute pursued his B.E. Biotechnology from Department Biotech Engineering during 2009-10. He qualified GATE 2010 with All India Rank 94 and directly joined for PhD program in Chemical Engineering at Indian Institute of Technology Bombay. He was the first candidate of the department getting All India Rank in first 100. During his PhD, he worked in an industry collaboration for 'Development of eco-friendly and cost effective biocatalytic route for synthesis of pharmaceutically important compounds'. After Ph.D., he joined Biocatalysis R&D group of Lupin Pharma as Associate Scientist. Currently, he is working at Biocon Ltd. as Principal Scientist, towards development of next generation biocatalytic technologies for efficient production of pharmaceuticals.



Name - Shamraja Nadar

Batch – 2011-12

Current Position – Pursuing Ph.D. (Research Scholar- Green Technology), Institute of Chemical Technology, Mumbai

Profile –

Shamraja **Nadar** pursued his B.E. Biotechnology from Department Biotech Engineering during 2008-12. He completed his Master's degree in Green Technology at ICT Mumbai and continued Ph.D. in same subject at Institute of Chemical Technology, Mumbai. He has authored and co-authored 23 research articles (Citation-700, H-index-15) in peer-reviewed journals of repute. He developed NanoPearl which is tailor made indigenous water purification technology based on hybrid nanomaterials and patented it during his Ph.D. He was awarded with several prizes, research grants at various start-up competitions. After that, he registered a start-up company NanoPearl based on patented Technology.

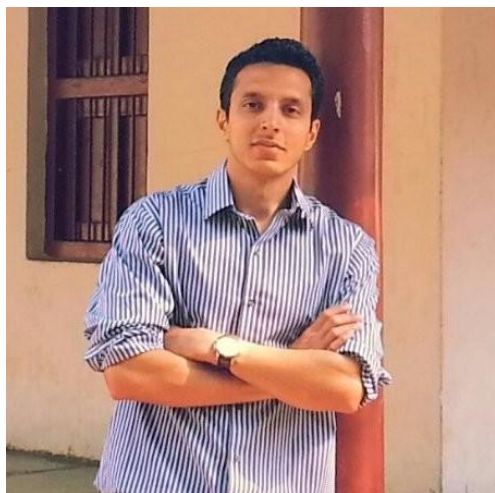


Name- Mayur Ladole

Batch- 2008-12

Current position - Pursuing Ph.D. (Research Scholar- Chemical Engineering), Institute of Chemical Technology, Mumbai and Co-founder GermSAFE Technology.

Profile – Mayur Ladole pursued his B.E. Biotechnology from Department Biotech Engineering during 2008-12. He completed his Master's degree in Food & Fermentation Technology at UICT, NMU, Jalgaon. He stood 2nd at University level at both Bachelor and Master level. He is currently pursuing Ph.D. in Chemical Engineering at Institute of Chemical Technology, Mumbai under the supervision of Prof. A. B. Pandit. He has authored and co-authored 14 research articles (Citation-429, H-index-8, i10 index-8) in peer-reviewed journals. Working on water cleaning and purification process using hydrodynamic cavitation technology during his Ph.D, he developed a hand-pump based water disinfection technology. This technology doesn't require electricity or chemicals to operate and achieved upto 95% water disinfection. He explored this technology at various start-up competitions and won several prizes, research grants and awards. After that, he registered a start-up company GermSAFE Technology in which currently working on water treatment solutions. His team recently signed MoU with IOCL to develop a technology for water disinfection.



Name- Sangram Yadav

Batch- 2006-07

Current position - Associate Director- Process Development Fermentation at Conagen Inc. USA

Profile – Sangram Yadav pursued his B.E. Biotechnology from Department Biotech Engineering during 2003-07. He completed his Master's degree in Biotechnology from Northeastern University USA. Thereafter he worked at Dr. Ralph Loring's lab as Research Assistant and his internship at Bristol Myers Squibb (BMS). He then joined in Lonza as Process Development Associate and further worked at Manus Biosynthesis as Team Lead. He then joined Conagen as Senior Scientist and is currently Associate Director working in on 'Developing fermentation processes using Design of Experiment and performing process scale upto pilot scale (50L)'



Name- Dr. Aniruddha Sahasrabuddhe

Batch- 2006-07

Current position - Scientist - Discovery Technologies at Amgen USA

Profile – Aniruddha Sahasrabuddhe pursued his B.E. Biotechnology from Department Biotech Engineering during 2003-07. He completed his Master's degree in Biotechnology from University of Massachusetts Lowell USA. Thereafter he worked at Ohio State University on Bioanalytical Chemistry using Mass Spectrometry. He then worked at Biogen Idec, Alexion Pharmaceuticals and Shire as Development Specialist. Currently he is working as Scientist at World's topmost Pharma and Bioetch corporate Amgen.



Name- Dr. Ruturaj Masvekar

Batch- 2005-06

Current position - Research Fellow and Associate Investigator (Clinical Trials) NIH USA

Profile – Ruturaj Masvekar pursued his B.E. Biotechnology from Department Biotech Engineering during 2002-06. He completed his Master's degree in Cellular and Molecular Biology from Louisiana Tech University USA and Ph.D in Neuroscience from Virginia Commonwealth University USA. Currently he is working as Research Fellow and Associate Investigator (Clinical Trials) on the topic 'Development of biomarkers for clinical trials against multiple sclerosis' at the apex body National Institute of Health, USA.