

Dr. Viniti Deepak Vaidya

Designation: Assistant Professor

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Academic Qualifications

Ph.D. in Biotechnology

Shivaji University, Kolhapur

Thesis Title: Cloning and characterization of fructosyltransferases and their transgenic expression.

Master of Science in Microbiology

Goa University, Goa

Bachelor of Science in Microbiology

University of Mumbai, Mumbai

Scholarships and Awards

- Italian Government Scholarship Award in Biotechnology, Ministry of Human Resources–Italian Ministry of Foreign Affairs, Italy (2013).
- Senior Research Fellowship (Life Science Research Broad, DRDO Project), University of Agricultural Sciences, Bangalore, (2012).
- Senior Research Fellowship (ICAR-based), Vasantdada Sugar Institute, Pune, India. (2009).
- Junior Research Fellowship (ICAR-based), Vasantdada Sugar Institute, Pune, India. (2007).

Research-Work Experience

Academic Research Editor (Biosciences)

January 2014–May 2016

Crimson Interactive Pvt. Ltd. Veer Savarkar Marg, Goregoan, Mumbai, India.

Research Scholar

October 2013–November 2014

Project Title: Optimization of extracellular laccase and manganese peroxidase production from *Trametes* sp. in fermentation on olive mill waste water based media.

Dept. of Innovation in Biological and AgroForestry systems (DIBAF)

University of Tuscia, 01100 Viterbo-Rome, Italy

Senior Research Fellow

July 2011–November 2012

Project Titles:

- 1)** Cloning and Functional Analysis of Fructosyltransferases (FTFs) for the Production of Fructans: Prebiotic Health-Improving Compounds.
- 2)** Immobilization and characterization of thermostable levansucrase using polyacrylamide gel
- 3)** Identification of YNK interacting proteins under oxidative stress using *Saccharomyces cerevisiae* as model system.

Department of Biotechnology, University of Agricultural Sciences,
GKVK, Bangalore 560065, Karnataka, India.

Senior Research Fellow

Project Titles:

- 1)** Characterization of FTFs for their utilization for development of byproducts from sugarcane wastes.
- 2)** Cloning and expression of *cry1Aa3* in *Escherichia coli* and its *in vitro* bioassay against sugarcane early shoot borer (*Chilo infuscatellus*).

Division of Molecular biology and Genetic Engineering,
Vasantdada Sugar Institute, Pune, India.

Publications and Sequences in Gene Bank

Vaidya, V., and Prasad, D. T. (2017) Enhanced levan production by a thermostable levansucrase from *Bacillus subtilis* BB03, *Curr Microbiology* (in review).

Vaidya, V., Prabhu, G. and Prasad, D.T. (2014) Heterologous expression and characterization of thermostable levansucrase (BsSacB) from *Bacillus subtilis* BB03, *Online J Bio Sci*, **15** (1) 10–22.

Vaidya, V. and Prasad, D. T. (2012) Thermostable levansucrase from *Bacillus subtilis* BB04, an isolate of banana peel, *J Biochem Tech*, **3** (4) 322–327.

Doijad, S., **Vaidya, V.**, Garg, S., Sapte, S. and Barbuddhe, S. (2010) Isolation and characterization of *Listeria* species from raw and processed meats, *J Vet Public Health*, **8** (2) 83–88.

Vaidya, V., Yadav, A. and Prasad, D. T. (2011) *Bacillus subtilis* partial 16S rRNA gene, strain BB03 (Accession No. **HE605036**).

Vaidya, V., Yadav, A. and Prasad, D.T. (2011) *Bacillus subtilis* partial 16S rRNA gene, strain BB03 (Accession No. **HE605037**).

Vaidya, V., Kawar, P. and Prasad, D.T. (2009) *Bacillus subtilis* levansucrase gene complete cds (Accession No. **FN599519**).

Yadav, A., **Vaidya, V.** and Prasad, D.T. (2008) *Cladosporium* sp. SPRY16 partial 18S rRNA gene (Accession No. **FM179794**).

Conference Publications

Vaidya, V., Prabhu, G. and Prasad D.T. (2012) Characterization of immobilized thermostable levansucrase from *Bacillus subtilis* BB04, International Symposium on Proteomics beyond IDs and 4th Annual meeting of Proteomics society, National chemical laboratory, Pune, India.

Shah, N., **Vaidya, V.** and Prasad D.T. (2012) Identification of YNK interacting proteins under oxidative stress using *Saccharomyces cerevisiae* as model system, International Symposium on Proteomics beyond IDs and 4th Annual meeting of Proteomics society, National chemical laboratory, Pune, India.

Vaidya, V. and Prasad, D. T. (2010) Molecular evaluation of bacterial fructosyltransferase for production of fructan: a low calorie sweetener, Functional foods for chronic diseases: Diabetes and Related Diseases. 6th International conference proceedings, USA, 33: 118-120.

Vaidya, V. and Prasad, D.T (2008) Cloning of bacterial fructosyltransferase and cluster analysis of enzyme from various organisms, National conference on Genomics, proteomics and systems biology, IISc Campus, Bangalore.

Vaidya, V., Barbuddhe, S. B., Bhosle, S. N. and Garg, S. (2007) Prevalence of *Listeria monocytogenes* in beef, pork and non-boiled sausages in Western Coast of India, 16th International Symposium on Problems of *Listeria*, Savannah, GA, USA.

Desai, V., **Vaidya, V.**, Prabhu N., Santimano, M. C., Chari, L. J., Krishnamurthy, N. and Garg, S. (2006) Multi drug resistant bacteria from UTI positive patients in Goa, 47th Annual Conference of Association of Microbiologists of India (AMI), Bhopal.

Vaidya, V., Barbuddhe, S. B., Bhosle, S. N. and Garg, S. (2006) Incidence of *Listeria monocytogenes* in fresh and processed meats in Goa, 47th Annual Conference of Association of Microbiologists of India (AMI), Bhopal.

Industrial Trainings/Workshops/Seminars

- STEM Teach Training Workshop on Research-based Pedagogical Tools-Level 1 (26/02/2017-01/03/2017) at Indian Institute of Science Education and Research (IISER) Pune.
- Isotope Ratio Mass Spectrometry Workshop (03/10/2005-05/10/2005) at National Institute of Oceanography, Goa
- Practical Industrial Training in various production departments including Bacterial Vaccine Department (03/05/2004 -28/05/2004) Haffkine Bio-Pharmaceutical Corporation Ltd., Mumbai.