

**Prof.(Ms) M.S.Dandekar**



**Name of Teaching Staff :** Prof.(Ms.) Mangal Shrikrishna Dandekar

**Designation:** Assistant Professor

**Department :** Biomedical Engineering

**Date of Joining the Institution :** 05/07/2007

**Qualifications with Class / Grade :**

1. M.S.( Bioengineering), May 2003, University of Toledo, Ohio, USA. GPA: 3.7/4.0
- 2.. B.E. (Biomedical Engg.), June 1998, (First Class), University of Mumbai. (Distinction in the Final Year)

**Total Experience in Years :**

Teaching: **12.5 Years**

1. July 2007 till date: Assistant Professor at D J Sanghavi Engineering College, Biomedical Eng. Dept., Mumbai
2. January 2000-August 2000: Lecturer at Thadomal Shahani Eng. College, Biomedical Eng.Dept., Mumbai
3. August 1999- December 1999: Lecturer at Watumull Institute, Biomedical Eng. Dept. , Mumbai

**Papers Published :**

**International:**

1. Preclinical efficacy of the c-Met inhibitor CE-355621 in a U87 MG mouse xenograft model evaluated by 18F-FDG small-animal PET. Tseng JR, Kang KW, Dandekar M, Yaghoubi S, Lee JH, Christensen JG, Muir S, Vincent PW, Michaud NR, Gambhir SS. J Nucl Med. 2008 Jan;49(1):129-34. Epub 2007 Dec 12. PubMed PMID: 18077531 (Radiology Dept, Stanford University)

2. Small-animal PET of melanocortin 1 receptor expression using a 18F-labeled alpha-melanocyte-stimulating hormone analog. Cheng Z, Zhang L, Graves E, Xiong Z, Dandekar M, Chen X, Gambhir SS. J Nucl Med. 2007 Jun;48(6):987-94. Epub 2007 May 15. PubMed PMID: 17504880. (Radiology Dept, Stanford University)

3. Reproducibility of 18F-FDG microPET studies in mouse tumor xenografts. Dandekar M, Tseng JR, Gambhir SS. J Nucl Med. 2007 Apr;48(4):602-7. PubMed PMID:17401098. (Radiology Dept, Stanford University)

4. Reproducibility of 3'-deoxy-3'-(18)F-fluorothymidine microPET studies in tumor xenografts in mice. Tseng JR, Dandekar M, Subbarayan M, Cheng Z, Park JM, Louie S, Gambhir SS. J Nucl Med .2005; 46(11): 1851-1857. PubMed PMID: 16269599. (Radiology Dept, Stanford University)

### **National:**

1. Techniques for Apnoea Detection, Utsav Dave, Drashti Gandhi and Mangal Dandekar. IJCA Proceedings on International Conference on Communication Technology ICCT 2015(3):6-11, September 2015. ( Biomedical Dept, DJSCOE)DigitalLibraryURI: <http://www.ijcaonline.org/proceedings/icct2015/number3/22647-1548> ISBN : 973-93-80888-61-5

2. Combination Of Instruments For The Surface Analysis Of The Biomaterials, Antara Dandekar, Milparinka Desai, Siddhi Bhandarkar, Samiksha Save, Mangal Dandekar, Technofocus, Vol 4, Issue 2, March 2014, 18-21 ( Biomedical Dept, DJSCOE)

3. Automation In Surgery: Review of Current Systems. Vidhi Patel, Ankit Thakkar, Shraddha Gujarathi and Mangal Dandekar, Technofocus, Vol 4, Issue 1, October 2013, 45-53 ( Biomedical Dept, DJSCOE)

### **Conferences:**

1. Attended “International Conference of Communication Technology” in D. J. Sanghavi College of Engineering on 25th-26th September 2015. Student Utsav Dave presented a paper on “Techniques for Apnoea Detection”.

2. Attended “National Conference of Communication Technology” in D. J. Sanghavi College of Engineering on 14th-15th October 2011.

### **STTPs/FDPs:**

1. “ Imaging for the Future”- participated in the two day Industry Interface Program ( 23<sup>rd</sup> and 24<sup>th</sup> July 2018) organized by Siemens Healthineers.

2. “Research Methodology and Data Analysis using Advanced Excel”- Attended a two day ( 12th and 13th December 2017) FDP, organized by Usha Pravin Gandhi College of Management, SVKM, Mumbai.
3. “Innovations And Applications of Engineering Mathematics”- Attended One week (28th November - 2nd December 2016) ISTE Approved STTP, organized by Department of Applied Mathematics, Vidyalankar Institute of Technology, Wadala(East), Mumbai.
4. “Effective Research Methodology for Ph.D. aspirants of Engineering and Technology”- Attended One week (7th-11th July 2014) STTP, organized by Vidyalankar Institute of Technology, Wadala(East), Mumbai, in collaboration with University of Mumbai.
5. “Recent Innovations in Healthcare Technology” – Attended two week ( 18th-29th June 2012) STTP approved by AICTE and ISTE, organized by Vidyalankar Institute of Technology, Wadala(East), Mumbai.
6. “Digital Image Processing with Matlab sessions” – Attended one week (23rd-27th June 2008) STTP approved by ISTE , organized by D. J. Sanghavi College of Engineering Mumbai.

#### **Workshops:**

1. Attended two days (21st and 22nd February 2015) workshop on “Embedded Systems” organized by “Institute of Electronics and Telecommunication Engineering” (IETE) of “Mukesh Patel School of Technology, Management and Engineering” (MPSTME), SVKM’S NMIMS.
2. Attended two days ( 8th June and 9th June 2013) “MRI Training Course” conducted by Nanavati Hospital, Mumbai.
3. Attended two days ( 2nd and 3rd February 2013) “Embedded Systems Workshop” conducted by Simple Labs, Chennai at Xavier’s College, Dhobi Talao, Churchgate.
4. Attended one week ( 24th Nov-26th Nov 2008 and 9th-10th Dec 2008) Mission 10X workshop conducted at Sardar Patel Institute of Technology, Mumbai.

#### **Certification Course:**

Completed NPTEL course “ Outcome Based Pedagogic Principles for Effective Teaching” in April 2017 and secured 65%.

#### **Projects guided at Bachelor’s Level: 7**

**Awards :** Full tuition waiver and research assistantship during Master’s studies in Univ. of Toledo, Ohio,USA.