

## CURRICULUM VITAE

NIKAM BANDOBA TUKARAM  
Associate Professor,  
Dept. of Chemistry,  
M.D.College, Parel, Mumbai  
400012, India  
contact no. : - +919869642793  
Email:[bt.nikam@mdcollege.in](mailto:bt.nikam@mdcollege.in);  
[nikambt@gmail.com](mailto:nikambt@gmail.com)



NIKAM BANDOBA TUKARAM  
M.Sc. (Organic Chemistry). SET

---

**YouTube Channel :** B T Nikam CHEMISTrY  
@btnikamchemistry2216

**Google Scholar ID:** <https://scholar.google.com/citations?user=yuww49AAAAAJ&hl=en>

---

- Served as NSS Programme officer for three years 2016 to 2019.
- Worked as Nodal Officer for District Youth Parliament for Mumbai and Navi Mumbai District, for Youth Parliament Festival 2019, organized by Ministry of Youth Affairs and Sports, NSS Directorate Govt. of India.
- Best NSS UNIT award by Chatrabharti for the academic year 2017 - 2018.
- In my tenure as NSS PO- College is awarded with -Government of Maharashtra Award- Rashtrapita Mahatma Gandhi Vyasankmukti Seva Puraskar for the excellent work in Vyasankmukti for the academic year 2017 - 2018.
- Elected on College Development Committee.
- Being as member of various committees at college, involved in various activities and appreciated by Management of College.
- Represented University of Mumbai for state level camp along with nss volunteers.
- Samajik Bhan Puraskar by Maharashtra Times for Educational project, Swapnapurti
- Chattra Bharti Award for Educational project, Swapnapurti (NSS project)
- Represented University of Mumabi and Maharashtra State for National Youth Festival organized by Ministry of Youth Affairs and Sports at Greater Noida in 2018.

### **Area of Interest:**

Teaching Organic Chemistry ,  
Administration  
Research – Nanoscience and organic synthesis

### Academic qualification

Examinations	Name of the Board/ University	Year of Passing	Percentage of marks obtained	Division/ Class/Grade	Subject
SSC	Maharashtra State Board, Pune	1989	58.42	II Class	Mar. Eng. Hindi, Math, Sci.& Social Sci.
HSC	Maharashtra State Board, Pune	1991	58.00	II Class	Mar. Eng. Phy. Chem. Bio, Crop- production.
B.Sc.	University of Pune	1994	70.00	I Class with Distinction	Chemistry
M.Sc.	University of Pune	1996	62.65	I Class	Organic Chemistry
SET	UGC/University of Pune	1997	Qualified	Qualified	Chemistry
Ph.D. Pursuing	University of Mumbai				

### Academic Experience:

#### UG Classes -20 years

#### PG Classes – 20 years

- 1) K.C.E. Society's M.J.College, Jalgaon. Lecturere for PG Classes, 1/8/2003 to 31/3/2004 and 1/7/2004 to 30/9/2004
- 2) The Institute of Science, Mumbai, Lecturer Contract basis Gov. of Maharashtra The Institute of Science 1/10/2004 To 30/4/2005
- 3) Thakur College of Science and Commerce, Kandivali, (E), Mumbai. 13 June 2005 17 Nov. 2006
- 4) Worked as visiting faculty for P. G. courses at The institute of Science, Fort Mumbai. For one Academic year.
- 5) Maharshi Dayanand College of Arts, science and Commere, parel, Mumbai 400 012 from 18 Nov. 2006.

#### Research Projects: Completed (01)

“Synthesis, Characterization and Biological activities of Thorium (IV) and Uranium (IV) Complex of Coumarin Derivatives”

University of Mumbai, 2009-2010, Rs. 0.2750 Lac.

#### Research Publications: (05), citations (79), h-index (1), i-10 (1)

- 1) Rapid biosynthesis of platinum and palladium metal nanoparticles using root extract of *Asparagus racemosus* Linn., RW Raut, ASM Haroon, YS Malghe, BT Nikam, SB Kashid, *Advance Material Letters*, 4 (8), 650-654, Year 2013, ISSN: 0976-3961, 1.46, Impact factor
- 2) PEO embedded planer optical waveguide sensor for unidentified soil character analysis, *Advanced Materials proceedings*, 2(3), 167-170, Year 2017, ISSN 2002-4428.
- 3) Green Synthesis of Pharmacologically Active Piperazine Substituted Schiff Bases and their Antimicrobial Activities, *Der Pharma Chemica*, 13(2): 71-75, March 2021, ISSN 0975-413X CODEN (USA): PCHHAX, 0.32, Impact factor.
- 4) Synthesis and Antibacterial Study of Thiadiazole Substituted Benzimidazole Derivatives, *World Journal of Pharmaceutical Research*, Volume 10, Issue 3, 1572-1578, ISSN 2277- 7105.
- 5) Efficient and Facile Synthesis of Benzimidazole Induced Schiff Bases and their Potent Antibacterial Activity and Computational Study, *Asian Journal of Chemistry*, Vol. 33, No. 6 (2021), 1261-1266, ISSN: 0975-427X, (Online) ISSN: 0970-7077 (Print) CODEN: AJCHEW, 0.54, Impact factor.

#### Book: (01)

Organic Reaction Mechanism- Through Solved Problems, Pen Craft Publications, Mumbai , ISBN 978-93-82783-72-8

### **Invited Lecture /speaker (05):**

- 1) Lecture on Heterocyclic Chemistry UGC Scheme:Scheme of coaching for SC/ST/Minority for NET,Patkar College, Goregaon.Mumbai.
- 2) Resource person Workshop on Food Adulteration at Dyansadhana High school Dept. of Chem.M.D. College,As outreach program.
- 3) Name reaction and reaction Mechanism Work-shop on NET/SET, The Institute of Science, Mumbai
- 4) Food Adulteration Workshop cum lecture on Food Adulteration at Shree MadhavraoBhagwat High School Vile Parle.Dept. of Chem. M.D. College As outreach program.
- 5) How to prepare, For NET/SET exam. And Name reaction and reaction Mechanism Work-shop on NET/SET. Dept. of Chemistry, M.D.College Departmental,
- 6) Understanding organic chemistry by easier way,-Basic Concepts In chemistry,Kirti college,

### **Presentations and participation in Conferences/ Seminars/Workshops:**

#### **International (02 )**

- 1) Rapid biosynthesis of Platinum and palladium metal nanoparticles using root extract of Asparagus racemosus linn. Presented paper at International Conference on Nano materials and nanotechnology, 18 to 21 Dec.2011, University of Delhi, VBRI Press, International association of Advanced materials.
- 2) Rapid biosynthesis of platinum and Palladium metal nanoparticles on silica support using root extract of Asparagus Racemosus Linn and its catalytic applications. Innovations in Chemical research and applied chemical Sciences,12/01/2015 to 13/01/2015,UGC sponsored by CHM College, Ulhasnagar.

#### **National (03)**

- 1) Alloy, Bi and Tri metallic nanoparticles of Ag, Au and Pd for photo-thermal therapy, Conference on Recent Trends in Chemistry,(RTC 2019),14,15 Feb.2019,The Institute of Science, Mumbai,
- 2) Structural evolution and magnetic properties of the Iron@iron oxide 1-D nanostructures Conference on Recent Trends in Chemistry,(RTC 2019),14,15 Feb.2019,The Institute of Science, Mumbai.
- 3) Synthesis of Nano Sized SrCeO<sub>3</sub> from Oxalate Precursor Conference on Recent Trends in Chemistry (RTC 2019),14,15 Feb.2019,The Institute of Science, Mumbai

#### **Professional courses: (08)**

- 1) FDP, Participated in FDP on 'Ethics and Values in Higher education' from 13 June to 17 June 2022 at Asia Plateau, Panchgani , organized by Maharashtra State Faculty Development Academy (MSFDA) Pune, in association with Initiatives of Change –India.
- 2) STC-Research Methodology Course Teaching Learning Centre (PMMMNTT) Ramanujan College, University of Delhi, DELHI, 08/06/2020 TO 14/06/2020, HRDC
- 3) STC-Methodology Workshop, Centre for Professional Development in Higher Education HRD Centre,University of Delhi, Delhi,12/07/2019 TO 18/07/2019,UGC, NEW DELHI,
- 4) Orientation Course, NSS Empaneled trainingInstitute, Ahmednagar College. Ahmednagar, 08/08/2016 TO 14/08/2016 , MINISTRY OF YOUTH AFFAIRS AND SPORTS,GOVT. OF INDIA,
- 5) STC-Teaching Learning, Evaluation Technology Programme ,Academic staff college, Rani Durgavati Vishwavidyalaya Jabalpur, 21/04/2014 TO 26/04/2014,UGC, NEW DELHI,
- 6) Refresher Course, Academic staff college, Rani, Durgavati, Vishwavidyalaya Jabalpur, 13/05/2013 TO 01/06/2013, UGC, NEW DELHI,
- 7) Refresher Course, Academic Staff College, Sant Gadge Baba Amravati University, Amravati, 09/03/2012 to 30/03/2012.(22 Days),UGC,
- 8) Orientation Course, Academic Staff College,Goa University, Goa.16/05/2010 to 12/06/2010. ( 28 Days) UGC

#### **Personal profile**

Name: Bandoba Tukaram Nikam  
Nationality: Indian  
Sex: Male  
Marital Status: Married

#### **Residential Address**

Flat no.805,  
Omkar Empire,  
Plot No, 234,  
Sector-10,  
Kharghar , 410210