

Dr. Ketan Thatte.

Email: ketanthatte30@gmail.com

Contact: 7045074240

Address: 7/ Om Shree Ganesh, Parnaka, Siddheshwar Lane, Kalyan (W.), 421 301

Objective: To bridge academics and research by hard work, sincerity and dedication.

Education:

- **Qualified SET examination held by Savitribai Phule University, Pune, April 2017.**
- **Ph.D. Equivalence in Botany.**
- **Qualified GATE examination 2013 conducted by IIT with AIR Rank 747 among 12920 with 94th percentile.**
- **Ph.D. Biotechnology (Molecular Biology), May 2013**
- **M. Sc. Botany (Plant Biotechnology & Cytogenetics), Distinction, April 2013**
- **M. Sc. Biotechnology, Second class, April 2007**
- **P.G.P. Diploma in Biological sciences and Instrumentation, Grade A**
- **B.Sc. Botany & Biotechnology (Voc.), April 2004, University of Mumbai.**

Orientation programme:

Completed Orientation Programme conducted by University of Mumbai, Human Resource Department, UGC 18th May 2015 to 13th June 2015 with ‘**A-grade**’.

Induction Programme:

Successfully completed one month Induction programme at IISER, Pune with ‘O-grade’ sponsored by PMMMNMTT 2nd May to 28th May 2018.

Professional experience:

- Working as **Assistant professor, Dept. of Botany**, K.J. Somaiya College, Mumbai.
- **Assistant professor, Dept. Of Botany**, SVKM Mithibai College, Mumbai.
- **Assistant professor, Dept. Of Biotechnology**, MES’s Pillai College, Panvel.
- Invited as **visiting faculty for M.Sc. Biotechnology**, MES’s Pillai College, Panvel.
- **3 & 1/2 years; Assistant Prof. in Dept. of Biotechnology & Microbiology**, B. N. Bandodkar College of Science, Thane.
- **2 years; full-time Lecturer in KET’s V. G. Vaze College**, Mumbai (F.Y.B.Sc. – M.Sc.).
- **3 years; Project fellow** on UGC sanctioned Major Research Project entitled “Assessment of genetic diversity in endemic species *Garcinia indica* and identification of sex specific marker using RAPD technology.”

Area of interest & Skilled in:

- | | |
|----------------------------|------------------------------------|
| 1. Classical Botany | 2. Phytochemistry |
| 3. Plant tissue culture | 4. Techniques of molecular biology |
| 5. Analytical Biochemistry | 6. Microbiology |
| 7. Animal Tissue Culture | 8. Cosmetology |

International Publications:

1. Paper entitled "Assessment of genetic diversity in *Garcinia indica* using morphological and molecular markers." "Journal of Tropical Agriculture" 50 (1-2): June-December, 2012 Impact factor: 3.5
2. Paper entitled "Study of Flowering Behavior and Sex Determination in *Garcinia indica* (Thomas-Dupettite) Choisy By Means Of Molecular Markers." "Biotechnology" 11 (4): 232-237, 2012.

Papers published in National/ International conferences/ Seminars:

1. Comparative analysis of nutritive value and phenolics of three different varieties of *Capsicum annum*. J.B.N.B. 2016 (1).
2. Callusing from aseptically germinated seedling of *Vigna radiata*. J.B.N.B. 2014 (1): 1-4.
3. Characterization and Identification of microflora in activated sludge process. Proceeding of the National Conference on Biodiversity: status and Challenges in Conservation- faveo-2013. ISBN No. 978-81-923628-1-6. Pp.214-218.
4. Comparative study of karyomorphology and genetic diversity in *Garcinia indica* (Dupetit-Thouars.) Choisy. using morphological and molecular markers." Proceeding of 3rd National Conference on Environment and Biodiversity of India organized by NECEER and EBI October 2013.
5. Studies in *Samanea saman* (Jacq.) merr. To evaluate the phytoconstituents from leaves. Proceeding of UGC sponsored National Conference on Phytochemistry: Recent trends and Challenges; 2012. ISBN No. 978-81-923628-0-9. Pp. 184-187.
6. Qualitative phytochemical screening of common marine chlorophyte: *Ulva fasciata*. Proceeding of UGC sponsored National Conference on Phytochemistry: Recent trends and Challenges; 2012. ISBN No. 978-81-923628-0-9. Pp. 188-191.
7. Phytochemical screening and in vitro antibacterial activity of pomegranate (*Punica granatum* L.) peel extract. Proceeding of UGC sponsored National Conference on Phytochemistry: Recent trends and Challenges; 2012. ISBN No. 978-81-923628-0-9. Pp. 214-217.
8. Preliminary screening of phytoconstituents from *Casuarina equisetifolia* (casurinaceae). Published in the Proceeding of UGC sponsored National Conference on Phytochemistry: Recent trends and Challenges; 2012. ISBN No. 978-81-923628-0-9. Pp. 235-237.
9. Assessment of genetic diversity in *Garcinia indica* using morphological and molecular markers. In the proceeding of XXXIII Conference of Indian Botanical Society and International Symposium on New Horizons in Botany. November 2010.

- 10. Presented a poster** on “Assessment of genetic diversity in *Garcinia indica* using morphological, molecular and cytological markers.” **At Avishkar 2012-13, University of Mumbai and selected for Second round.**

Guest Lectures:

- Delivered a lecture on “**How to Document a Scientific Research?**” to M.Sc. part I & Part II students at **KJSSC, Mumbai.**
- Delivered a lecture on “**Microteaching skills**” and “**How to set a good question paper?**” at one day workshop “Exploring New Horizons in Teaching-Learning Methodologies.” Organized by VPM’s B. N. Bandodkar College, Thane, 16th July 2015.
- Delivered a talk on “**How to write a Research Paper?**” at Second preparatory workshop of National Conference on Biodiversity- Faveo-2013 organized by VPM’s B. N. Bandodkar College, Thane, November 2013.
- Conducted a session in workshop on **Data analysis and representation for amateur biotechnologist.** June 2014, organized by Dept. of Biotechnology & Microbiology, VPM’s B. N. Bandodkar College, Thane.
- **Organized three workshops and Conducted lectures on “Tissue culture and Molecular biology” for teachers and students at V. G. Vaze College, Mulund.**

National/ International conferences/ Seminars attended & participated:

- National Conference on Recent Trends in Biotechnology, D Y Patil School of Biotechnology, November 2017.
- State level seminar on Nutraceuticals Organized by Pillai College, Panvel. January 2016.
- State level Seminar on genetically modified food-Boon or Bane. Organized by Pillai College, Panvel. January 2015.
- 100th National conference by Indian Science Congress, January 2015.
- National Conference on Bioinformatics and taxonomy organized by B. N. Bandodkar College, Thane, January 2015.
- National Conference on Biodiversity- Faveo-2013 organized by B. N. Bandodkar College, Thane, November 2013.
- 3rd National Conference on Environment and Biodiversity of India organized by NECEER and EBI, October 2013.
- National conference on “FUTECH-2013” organized by B. N. Bandodkar College, Thane, January 2013.
- National symposium organized by KET’s V.G.Vaze College, Mulund, January 2012.
- National conference organized by K.C. College, Mumbai, January 2012.
- National Conference on Phytochemistry organized by B. N. Bandodkar College, Thane, November 2012.

- National Conference on Forestry management and Biology organized by NES Ratnam College, Mumbai, October 2011
- XXXIII Conference of Indian Botanical Society and International Symposium on New Horizons in Botany held at Shivaji Vidyapeeth, Kolahpur, November 2010.

Research experience:

1. **Phytoremediation of Soil contaminated with sugar spent wash from Godavari Biorefinary, Sakarwadi, Maharashtra.**
2. **Guided M. Sc. students for various short term projects.**
3. **Antimicrobial activity of different extracts of marigold flowers.**
4. **Antimicrobial activity of pigments isolated from commonly used vegetables.**
5. **Identification and characterization of psychrotolerant organisms isolated from spoiled food.**
6. **Enumeration of aeromicroflora of Department of Biotechnology and Microbiology of B.N.Bandodkar College, Thane by gravity sedimentation technique.**
7. **Evaluation of nutritional value of three different varieties of *Capsicum annum*.**
8. **Isolation and identification of halophiles for production of hydrolytic enzymes from salt pan of Nahur, Mumbai.**
9. **Phytochemical screening of common marine chlorophyte: *Ulva fasciata*.**
10. **Phytochemical screening and *in vitro* antibacterial activity of pomegranate (*Punica granatum* L.) peel extract.**
11. **Preliminary screening of phytoconstituents from *Casurina equisetifolia*.**
12. **Studies in *Samanea saman* (Jacq.) Merr. to evaluate the phytoconstituents from leaves.**
13. **Evaluation of antimicrobial activity using agar diffusion method and cytotoxicity study of cinnamon oil using lymphocyte culture.**
14. **Project sponsored by Konark Biosciences-Lower pearl; Development of strategies for Bioremediation of an industrial effluent from Mahad MIDC.**
15. **Standardization and Production of Antibiotics from isolated soil microflora.**
16. **Induction of Callusing and Somatic embryogenesis in *Daucus carota*.**

Computational skills: MS Office, Bioinformatics Tool Handling.

Trainings done:

1. **Workshop on Entrepreneurship skill development program for Faculty sponsored by DST in collaboration with Science and Technology Park, Pune.**
2. **Attended a workshop on revised credit system based syllabus of M. Sc. Biotechnology at Dept. of Biotechnology, University of Mumbai; September 2016.**
3. **Attended a workshop on F. Y. B. Sc. Biotechnology credit system based syllabus at Mithibai College, Vile Parle; June 2014.**
4. **Worked as a resource person for Refresher course in Environmental science conducted at B. N. Bandodkar College of Science, Thane. February, 2014.**
5. **Attended a workshop on T. Y. B. Sc. Biotechnology credit system based syllabus at R. J. College, Ghatkopar; June 2013.**
6. **One day workshop on IQAC 5th December 2013 at B. N. Bandodkar College.**
7. **Certificate course of MSME for one month at V. G. Vaze College, Mulund.**
8. **On job training at Haffkine Institute, Parel, Mumbai in various laboratories like Virology Dept., Immunology Dept, etc. for 1 month.**

Co-curricular Activity:

- **Member of Environmental Awareness Committee, KJSSC.**
- **Member of Research Monitoring committee and Competitive Exam Cell; KJSSC.**
- **Examiner for M.Sc. Biotechnology Part I & Part II; University of Mumbai Examination.**
- **Single person committee of Consultancy at Pillai College.**
- **Member of a NAAC preparation team for Criteria 3 Research & Development.**
- **Member of an organizing committee for Avishkar 2015.**
- **Invited as judge for Research presentations & Posters competition - Eureka-2014 organized by KET's V.G.Vaze College, Mulund.**
- **Member of a committee for preparation of LIC.**
- **Member of a committee for preparation of college affiliation report**
- **Examiner for T.Y.B.Sc. Biotechnology; University of Mumbai Examination.**
- **Member of Youth festival, Literary, Attendance, Biotech Journal & Movie Club at B. N. Bandodkar College, Thane.**
- **Active member of NSS committee. Attended various social activities of NSS and participated in residential camps.**
- **Member of a committee for preparation of NAAC visited KET's V. G. Vaze College in March 2012.**
- **Member of organizing committee for UGC sponsored National Symposium held at KET's V. G. Vaze College in January 2012.**

References:

1) Dr. Mrs. M. A. Deodhar.

Associate Professor, dept of Botany
KET's V. G. Vaze College of Arts, Science
& Commerce, Mithagar Road, Mulund (E.),
E. mail: drmadeodhar@gmail.com
Mobile: 09870176411

2) Dr. Jossy Varghese.

Vice-principal, Head, Dept of Botany.
Birla College of Arts, Science & Commerce,
Birla College Rd, Kalyan (W), 421 301
E. mail: jossy_v@rediffmail.com
Mobile: 09821235804

Date :

Dr. Ketan Thatte.

Place : Kalyan