



Dr. Dineshkumar Vasava

Assistant Professor

*in Biochemistry, P. G. Department of
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📌 UGC-JRF (NFHE)

(2016) – (Life Sciences) |
Junior Research Fellow

🎯 GSET (2015) – Gujarat
State Eligibility Test (Life
Sciences) | Assistant
Professor

📌 UGC-CSIR NET LS
(2016) – (Life Sciences) |
Lectureship Eligibility

🎯 GSET (2017) – Gujarat
State Eligibility Test (Life
Sciences) | Assistant
Professor

📌 UGC-CSIR NET LS
(2017) – (Life Sciences) |
Lectureship Eligibility

🌱 ICAR-NET (2017) –
(Plant Physiology) | ASRB,
ICAR National Eligibility
Test

🏠 CTET (2015) – Central
Teacher Eligibility Test
(Education) | Teaching
Eligibility for Central School.

🎓 Academic Qualifications:

🎓 Ph.D. in Biochemistry (2025)

Thesis Title: “Micropropagation of *Asparagus racemosus* Willd. and *Aegle marmelos* (L.) Correa, well-known medicinal plants.”

📖 Under the guidance of Prof. M. Nataraj

🏠 Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar, Sardar Patel University.

🎓 B.Ed. (Bachelor of Education) (2014–2015)

📖 Specialization: *Mathematics & Science*

🏆 Scored: **78.6% (First Class with Distinction)**

🏠 M.B. Patel College of Education, SPU, Anand

🎓 M.Sc. in Biochemistry (2012–2014)

🏆 Scored: **66.80% (First Class)**

🏠 Department of Biosciences, Sardar Patel University, Vallabh Vidyanagar

🎓 B.Sc. in Biochemistry (2009–2012)

🏆 Scored: **60.50% (First Class)**

🏠 M.B. Patel Science College, Sardar Patel University, Anand

🏠 Schooling (Science Stream) (2001–2008)

📖 Jawahar Navodaya Vidyalaya, Kharedi, Dahod, Gujarat

🎓 Successfully completed 10th to 12th with science background

M.Sc. Dissertation Guided:

1. Anilkumar M Meena (2019) on “Effect of Plant Growth Regulators on Nodal Explants of *Asparagus racemosus* Willd.”. From M.Sc. Industrial Biotechnology.
2. Varsha L. Bhutadiya on (2019) “Axillary Shoot Proliferation of *Aegle marmelos* (L.) Corre., A medicinal Tree. From M.Sc. Biochemistry.
3. Krupali N. Damania (2020) on “In vitro shoot multiplication and callus induction of highly medicinal value plant: *Asparagus racemosus* willd.” From M.Sc. Biotechnology.
4. Parul Solanki (2020) “Effect of plant growth regulators on in vitro morphogenesis of *Leptadenia reticulata* (retz.) W. & A. using leaf & nodal as explant” M.Sc. Botany
5. Pranab Joshi (2022) on “Tissue culture and phytochemical study of important medicinal plant *Convolvulus prostratus* Forssk.” M.Sc. Botany
6. Nikunj Kheni (2023) on “In-Silico and In-Vitro study of Ingenol Mebutate” M.Sc. Biochemistry
7. Ayushi Parmar (2023) “Statistical Optimization for Enhanced Saraspogenin Production in Callus Cultures of *Asparagus racemosus* Willd.” M.Sc. Botany.
8. Mehul Solanki (2024) “Isolation and Screening of Efficient PHAs- Producing Bacteria from Soil Sample” M.Sc. Biochemistry.
9. Aniket Dalwadi (2024) “In Vitro Callus Induction and Optimization of *Convolvulus prostratus* using in vitro leaf as explant” M.Sc. Biotechnology.

Conferences/Refresher course/ Workshop/FDP:

1. International conference on “Biotic and Abiotic Stress of crop plants and their sustainable management” organized by Department of plant Pathology, Institute of Agriculture (PSB). February 3, 2023. Department of Plant Pathology, Institute of Agriculture (PSB). Visva-Bharati Sriniketan , Birbhum, West Bengal 731236.
2. Hands on Training Program on “Transgenic Plant Tissue Culture”. Sponsored by GSBTM jointly organized as part of KAUSHALYA jointly organized by the GBRC, DST, GoG. 20th to 24th March 2023.
3. Refresher course on: Research Methodology. Organized by the HRDC Sardar Patel University, V.V. Nagar. UGC sponsored Refresher Course from 12/12/2022 to 25/12/2022.
4. UGC- sponsored Orientation program 42nd by HRDC, Sardar Patel University, Vallabh Vidyanagar.

From: 27/05/2019 to 16/06/2019.

5. 2 Day Wetland workshop on “Exploring Plankton and Wetland Invertebrates- A Food base for Waterbirds”. Sponsored by Forest and Environment Department, Gov. of Gujarat. Organized by GEER foundation. 31-01-2018 to 01-02-2018.
6. Attended two days symposium held on 27th & 28th September (2018) at The Department of Biochemistry, The M.S. University of Baroda. Trends In Biochemistry and Inauguration of Prof. L.J. Parekh Memorial Lecture Series.
7. Attended One Day International Seminar on "Recent Advances in Cancer and Cell Biology": and 2nd Prof. V. V. Modi Memorial Lecture on 6th January 2018 organized by Department of Microbiology and Biotechnology Centre, The Maharaja Sayajirao University of Baroda, Vadodara. One Day International Seminar on Recent Advances in Cancer and Cell Biology And 2nd Prof. V. V. Modi Memorial Lecture.
8. Attended the Online Course On: “CRISPR-CAS: The Molecular Toolkit – Principles and Applications” 10th - 12th April, 2024.
9. NEP 2020 Orientation and Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) organized by UGC-MMTTC, by Sardar Patel university, Vallabh Vidyanagar, Gujarat from 11-03-2024 to 22-03-2024.
10. FACULTY DEVELOPMENT PROGRAMME “ 3rd Faculty Development program: Motivation for Quality and Impactful Research (Science). 3rd December 2018 to 7th December 2018.

Publication:

1. Vasava, D., Kher, M.M., Nataraj, M. et al. Bael tree (*Aegle marmelos* (L.) Corrêa): importance, biology, propagation, and future perspectives. *Trees* 32, 1165–1198 (2018). <https://doi.org/10.1007/s00468-018-1754-4>.
2. Vasava, D., Bhagriya, P., Tote, A., Sindhava, K., & Solanki, N. (2024). Extraction, quantification and anti-cancer activity of important secondary metabolite “Shatavarin-IV” from *in vitro* callus culture of *Asparagus racemosus* Willd. *Pharmacognosy Research*, 16(3), 558–569. <https://doi.org/10.5530/pres.16.3.66>.
3. Bhagriya, P. N., Jinwala, C., Vasava, D., Vanra, D., Saiyad, S., & Valand, G. (2025). Therapeutic potential of *Hibiscus rosa sinensis* leaves in targeting lung cancer via modulation of EGFR

signalling. *Scope*, 15(1), 267–281.

Poster Presentation:

Presented poster entitled “**Isolation and screening of efficient PHA producing bacteria from soil sample**”. Sponsored by GSBTM sponsored Two days national symposium on Fusing Biotechnology with applied and emerging sciences: A multidisciplinary perspective. From 05-06 March.