

BIO CHEMISTRY - (DEPARTMENT FACULTY)

Name	Dr. Jalpesh S. Patel
Qualification	Ph. D.
Specialization	Biochemistry
Experience	9 Years
Web of Science ID	IQW-0860-2023
Vidwan ID	653702
ORCID ID	0000-0002-1046-8833
Scopus ID	57195221954
Linked In	https://www.linkedin.com/in/jalpesh-patel-5150747b/
Google Scholar ID	https://scholar.google.com/citations?user=XsB-MEMAAAAJ&hl=en
E-mail	js_patel@aaau.in
Mobile No	+91-9998366983
Address	Associate Professor Department of Biochemistry B. A. College of Agriculture Anand Agricultural University, Anand-388 110.



Current Affiliation

Associate Professor, Department of Biochemistry,
B. A. College of Agriculture, Anand Agricultural University, Anand-388 110.

Qualifications

Undergraduate Studies: B. Sc. (Biochemistry), Gujarat University
Postgraduate Studies: M. Sc. (Biochemistry), Anand Agricultural University
Ph. D. (Biochemistry), Sardarkrushinagar Dantiwada Agricultural University

Experience

Teaching, Research & Extension experience for 9 years

Teaching

Polytechnic Teaching: Polytechnic in Agriculture, SDAU, Deesa.

UG Teaching:

1. College of Basic Science and Humanities, SDAU.
2. C. P. College of Agriculture, SDAU.
3. College of Agriculture, SDAU, Tharad.
4. ASPEE College of Nutrition and Community Science, SDAU.
5. College of Horticulture, SDAU, Jagudan.

PG Teaching: B. A. College of Agriculture, AAU, Anand.

Scientific Involvement

Research		
1	Recommendations (Farmers + Scientific + Industrial)	06
2	Varieties evaluated	03
3	Seminars/Conferences attended	07
4	Workshops/Group Meetings attended	08
5	Training/Courses attended	14
6	Membership in Scientific Organizations	02
Awards		
1	Young Scientist	1
2	Best poster Presentation	1
Publications		
1	Total number of research papers	16
2	Papers in International Conference	14
3	Papers in National Seminar/Symposia	4
4	Popular Articles in Gujarati	4
Membership in Scientific bodies/Associations		
1	Life Member of Indian Agricultural Biochemists	
2	Life Member of Vigyan Gurjari	
3	Life Member of Gujarat Association of Agricultural Scientists	
Gene sequence submission		
1	Bacterial Sequences - 9 gene sequences	

Research Paper List

Sr. No	Title
1	Shinde, S. M., Prajapati, P., Patel, J. and Chandaragi, M. K. (2025). Effect of different agricultural straw on the nutritional parameters of oyster mushroom (Pleurotus florida) in North Gujarat condition. <i>Mushroom Research.</i> , 34(1): 55-62.
2	Patel, J. , Bhagat, A. G., Zala, H. N., Patel, Y. R. and Joshi, V. A. (2025). Enhancing Storage Stability of Pearl Millet Flour through Microwave Treatment. <i>International Journal of Biochemistry Research.</i> , 34(5): 72-81.
3	Natha, M., Chauhan, T., Patel, J. S. and Vyas, S. R. (2025). Investigation of dissipation kinetics and half-lives of fipronil and metalaxyl in soil. <i>International Journal of Advanced Biochemistry Research.</i> , 9(7): 598-602.
4	Mevada, P., Bhagat, A., Dave, G., Patel, J. , Patel, Y., Gelot, A. and Bhadauria, H. S. (2025). Exploration of Plant Growth-Promoting Traits of Diazotroph Isolates Obtained from Rhizospheric Soil. <i>Advances in Research.</i> , 26(4): 344-57.
5	Bhavsar, V. N., Zala, H. N., Mishra, A., Patel, J. S. , Kaswan, V., Soni, N. V., Patel, P. C., Prajapati, K. N. and Solanki, S. D. (2024). Assessment of Genetic Diversity Using

	EST Derived SSR Markers in Pomegranate (<i>Punica Granatum</i> L.) Germplasms. <i>Journal of Advances in Biology & Biotechnology.</i> , 27(12): 602-620.
6	Patel, J. S. , Prajapati, K. N., Tiwari, K., Chaudhari, M. K., Gondaliya, S. B., Joshi, V. A. and Vyas, S. R. (2024). Assessing chilli genotypes: A study of morphological and nutritional traits. <i>Asian Journal of Research in Biochemistry.</i> , 14(4): 84-94.
7	Khatri, A. B., Patel, P. T., Patel, R., Patel, M. S., Shah, S. K., Patel, J. S. and Vaghela, P. O. (2023). Genetic analysis of grain biochemical parameters and yield in pearl millet <i>Pennisetum glaucum</i> (L.). <i>Journal of Cereal Science.</i> , 113: 1-8.
8	Vekariya, R. G., Patel, P. C., Patel, J. S. , Prajapati, K. N. and Joshi, A. K. (2022). Genetic studies in <i>Withania somnifera</i> (L.) Dunal through intraspecific hybridization. <i>The Pharma Innovation Journal.</i> , 11(10): 44-56.
9	Chaudhary, V., Patel, Y., Soni, K., Dave, G., Bhagat, A., Patel, J. , Parmar, A. and Joshi, S. (2021). Approach towards Submerge Production, Characterization and Application of Extracellular Alkaline Protease from <i>Pseudomonas aeruginosa</i> YPVC. <i>Biological Forum – An International Journal.</i> , 13(4): 1004-1014.
10	Chaudhari, D., Bhagat, A., Patel, J. , Patel, Y., Adroja, A., Vyas, T. & Parmar, A. (2020). Molecular Detection of Virulence Genes of <i>Staphylococcus aureus</i> Isolated from Bovine Mastitis. <i>International Journal of Livestock Research.</i> , 10(12): 143-154. doi: http://dx.doi.org/10.5455/ijlr.20200817041535 .
11	Patel, J. S. and Dhruve, J. J. (2018). Correlation Among Morphological, Biochemical and Entomological Attributes in Leaves of Okra Grown under Anand Region. <i>Indian J Agric Biochem.</i> , 31(1): 58-64.
12	Patel, J. S. , Japda, A. R. and Dhruve, J. J. (2018). Assessment of genetic diversity of okra (<i>Abelmoschus Esculentus</i> L.) for YVMV using RAPD and SSR markers. <i>IJABR.</i> , 8(2): 217-223.
13	Galani, J. H. Y., Patel, J. S. , Patel, N. J. and Talati, J. G. (2017). Storage of fruits and vegetables in refrigerator increases their phenolic acids but decreases the total phenolics, anthocyanins and vitamin C with subsequent loss of their antioxidant capacity. <i>Antioxidants.</i> , 6(59): 1-19.
14	Patel, J. S. ; Japda, A. R.; Dhruve, J. J. and Patel, N. J. (2017). Antioxidant Enzymes in Leaves of Susceptible and Resistant Okra Genotypes against YVMV. <i>International Journal of Current Microbiology and Applied Sciences.</i> , 6(2): 1540-1550.
15	Dhruve, J. J.; Bhutaka, K.; Patel, J. and Vakharia, D. N. (2016). Investigation of Benzyl Adenine and Water Deficit Stress on Antioxidant Enzyme Activities in Peanut (<i>Arachis hypogaea</i> L.). <i>Advances in Life Sciences.</i> , 5(12): 5091-5100.
16	Dhruve, J. J., Patel, J. , Diwan, S. and Shukla, Y. M. (2016). Effect of Benzyl Adenine on Osmolytes content in Groundnut Cultivars at three Different Stages under Water Stress Condition. <i>Advances in Life Sciences.</i> , 5(12): 5118-5128.