

## DR. RITISHA N. TATAMIYA (M.Sc., M.Phil, Ph.D. in Botany)

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### Personal Details

Name	Ritisha Nalinbhai Tatamiya
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Gender	Female
Nationality	Indian

### Education and Qualifications

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Degree	Subject	Year of Passing	Board/University	Percentage
Ph.D.	Botany	Aug 2021	Saurashtra University	(Notification no. 2720)
M.Phil	Plant Biotechnology and Genetic Engineering	May 2014	Saurashtra University	66 %
M.Sc	Botany	April 2013	Saurashtra University	67 %
B.Sc	Botany	March 2011	Saurashtra University	78 %

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<b>Teaching Experience</b>	10 years
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<b>Paper Publications</b>	08 (National level), 04 (International)
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<b>Conferences</b>	11																					
	<table><thead><tr><th>State level</th><th>National level</th><th>International level</th></tr></thead><tbody><tr><td>2014</td><td>2013</td><td>2017 (1<sup>st</sup> Rank)</td></tr><tr><td>2017</td><td>2015</td><td>2021</td></tr><tr><td></td><td>2017 (1<sup>st</sup> Rank)</td><td></td></tr><tr><td></td><td>2018 (1<sup>st</sup> Rank)</td><td></td></tr><tr><td></td><td>two in 2019</td><td></td></tr><tr><td></td><td>2020 (1<sup>st</sup> Rank)</td><td></td></tr></tbody></table>	State level	National level	International level	2014	2013	2017 (1 <sup>st</sup> Rank)	2017	2015	2021		2017 (1 <sup>st</sup> Rank)			2018 (1 <sup>st</sup> Rank)			two in 2019			2020 (1 <sup>st</sup> Rank)	
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<b>Workshops</b>	03
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## Paper Publications in Detail:

- **“Screening of proper leaf size in *Centella asiatica* for antioxidant potential and separation of phenolics using RP-HPLC”** Journal of Applied Pharmaceutical Science Vol. 4 (02), pp. 043-047, February, 2014 DOI: 10.7324/JAPS.2014.40207 ISSN 2231-3354. (UGC Affiliated Journal, Journal no. 21419)
  
- **“Stem rot disease of groundnut (*Arachis hypogaea* L.) induced by *Sclerotium rolfsii* and its management: A critical review”** Journal of View of Space International Refereed multidisciplinary journal of Applied Research Vol. 4, year 3(4), pp. 109-113, August, 2015 ISSN 2320-7620.
  
- **“Principles and Applications of Next-generation sequencing”** Journal of View of Space International Refereed multidisciplinary journal of Applied Research Issue: 7 year 4, pp.100-104, February, 2017. ISSN 2321-7073.
  
- **“Diversity of predatory spiders on groundnut crop”** Review of Research Volume - 8, Issue -5, February – 2019. ISSN: 2249-894X.
  
- **“Diversity of predatory spiders in cotton crop with relation to biological control of insect pests in Jamnagar district”** Review of Research Volume -8, Issue -7, April – 2019. ISSN: 2249-894X.
  
- **“Isolation of Actinomycetes Strains and their Different Levels of Resistance against Antibiotics”** Journal of Pure and Applied Microbiology 14(2), June 2020. Print ISSN: 0973-7510; E-ISSN: 2581-690X
  
- **“Physiological and Biochemical characterization of *Sclerotium rolfsii* with respect to its infection on ground nut”** Research Journal of Biotechnology Vol. 15 (7) July, 2020. E- ISSN: 2278- 4535.

- **“Metabolomics of groundnut (*Arachis hypogaea* L.) genotypes during groundnut-*Sclerotium rolfii* interaction at different stages of infection”** Research Journal of Biotechnology Vol. 16 (4) April, 2021. E- ISSN: 2278- 4535.
- **Comparative transcriptome profiling of resistant and susceptible groundnut (*Arachis hypogaea*) genotypes in response to stem rot infection caused by *Sclerotium rolfii*.** Plant Pathology, 73(9), 2024, 2500-2515.
- **Metabolic profiles of peanut (*Arachis hypogaea* L.) in response to *Puccinia arachidis* fungal infection.** *BMC genomics*, 2023, 24(1), 630.

### Instrumental and analytical skills:

- I have worked & handling experience of Food Testing Laboratory, Biotechnology Department, Junagadh Agriculture University, Junagadh. RT PCR (Real time Polymerase chain reaction) PCR, HPLC, Centrifuge, Spectrophotometer, Electrophoretic techniques, GC MS, Sonication unit & Plant tissue culture techniques, Biochemical techniques, Microbial work etc.

### Seminars and Presentations in details:

- Participated and presented a poster on **“Changes in the Antioxidant potential in *Centella asiatica* leaves”** in UGC Sponsored National Level Conference on “Bioscientific Technologies- an Elixir for Research in 21<sup>st</sup> Century, Feb. 2013” at Department of Biochemistry, Shree M. & N. Virani Science College, Rajkot.
- Participated and presented a poster on **“Isolation of RNA, DNA and Preparation of cDNA from *in vivo* and *in vitro* grown cotton fibers and ovules”** in XI Annual Research Seminar April 2014, Department of Biosciences, Saurashtra University, Rajkot.
- Participated and presented a poster on **“Taxonomical study of flora situated at Sakkarbaug Zoological park”** in 8<sup>th</sup> National Level Science Symposium on Recent Trends in Science and Technology, Feb. 2015 at Christ College, Rajkot.
- Participated and paper published in National level level conference on Recent Research Trends in All Subject, Aug. 2015 at Shri Patel Kelavani Mandal College of Tech. & B.Ed. Junagadh.

- Selected and Attended National level Biology Olympiad Exposure Camp, 14<sup>th</sup> -16<sup>th</sup> Oct.2015 at Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai.
- Passed the examination of Course on computer concept (CCC) with “A” grade in March 2015.
- Participated in the workshop on Development of Botany Curriculum and its Effective Implementation organized by the Saurashtra university, Feb. 2016 at Bahauddin Science College, Junagadh.
- Participated and paper published in National level level seminar on Digital India: Issues and Opportunities for digital Empowerment, March. 2017 at Shri Patel Kelavani Mandal College of Tech. & B.Ed. Junagadh.
- I got first position in oral presentation in International Science Symposium on Recent Trends in Science and Technology, Feb. 2017 at Christ College, Rajkot. Presented oral on **“Screening of resistance and susceptible cultivars of groundnut (*Arachis hypogaea* L.) against stem rot”**.
- I got first position in poster presentation at A State level symposium Sci Tech 2017, Emerging Trends in Science & Technology, College of computer, Science and Information Technology, Junagadh association with Bhakta Kavi Narsinh Mehta University, Junagadh. Presented poster on **“Biochemical and Molecular analysis in Different Groundnut genotype against stem rot”**.
- Participated in Budding Scientist 1 National conference on Emerging, Feb. 2017 at Harivandana College, IQAC Saurashtra University, Rajkot.
- Participated in one day National level workshop under the theme current techniques in applied Botany, Feb. 2017 at Harivandana College, IQAC Saurashtra University, Rajkot.
- Participated in one day National seminar on Intellectual Property Rights (IPR): Patents & Trademarks, Jan. 2018 at Christ College & SSIP, Saurashtra University, Rajkot.
- I got first position in oral presentation in 10<sup>th</sup> National Science Symposium on Recent Trends in Science and Technology, Feb. 2018 at Christ College, Rajkot. Presented oral on **“Biochemical and Molecular analysis of resistance and susceptible cultivars of Groundnut (*Arachis hypogaea* L.) against stem rot”**.
- Participated and presented a poster on **“Morphology and biochemical analysis of selected groundnut genotype against stem rot (*S. rolfsii*)”** in one day National Level Science Symposium SCIENSIUM, Jan. 2019 at Dr. Subhash Science College, Junagadh.

- Participated and presented oral presentation on “**Metabolomic Profiles in different stages of resistance and susceptible groundnut genotype against stem rot (*Sclerotium rolfsii*)**” in National Conference on Inclination of modern science towards environmental protection and sustainable development organized by Indian Science Congress, Jan. 2019 at Bahauddin Science College, Junagadh.
- I got first position in oral presentation in 12<sup>th</sup> National Science Symposium on Recent Trends in Science and Technology, Jan. 2020 at Christ College, Rajkot. Presented oral on “**Metabolomics profiling of groundnut interaction in *S. rolfsii***”.
- Participated and presented in International Science Symposium on Recent Trends in Science and Technology, April. 2021 at Christ College, Rajkot. Presented oral on “**Identification of candidate genes in response to stem rot in groundnut (*Arachis hypogaea* L.)**”

### Experience:

- I have one year of teaching and lab assistance experience at Bahauddin Science College, Junagadh, during 2014-2015.
- I have seven years of experience as an Assistant Professor of Botany and Microbiology, as well as Head of the Lifesciences Department at Patel Kelavani Mandal College, Bhakt Kavi Narsinh Mehta University, Junagadh, from 2015 to 2022.
- I have teaching experience from January 2023 to August 2024, served as an Assistant Lecturer of Botany in Gujarati and English medium at Aakash educational services limited in Gandhinagar, Gujarat.
- Currently, serving as Assistant Professor of Botany in the Department of Biosciences at Saurashtra University, Rajkot, from September 2025 to the present.