

Profile

1. Name:	Dr. D. Meena S. Rao
2. Mobile No:	9324176760
3. Email id:	meena.rao@ssrkt.edu.in
4. Department:	Botany
5. Designation	Assistant Professor
6. Date of Appointment	01.07.1996
7. Date of Superannuation	31.01.2028
8. Appointment Type	Permanent
9. Education Qualification:	MSc, PhD, BEd
10. Work Experience	27 years
11. Courses Taught	FYBSc, SYBSc, TYBSc, MSc Part I, MSc Part II
12. Courses Developed	<ul style="list-style-type: none">● MSc Part I NEP 2020 (Botany)● FYBSc NEP 2020 (Botany)
13. Area of Specialization/research:	Genetics, Aerobiology
14. Achievements:	
A. Awards & Honors:	Eminent Scientist Award, Society for Advanced Research in Plant Sciences (SARPS), Global Academic Excellence Awards 2024
B. Projects:	Study of Leghaemoglobins In Legumes, UGC Minor Research Project, (Grant of Rs. 3, 65000/-)

<p>C. Membership: (Academic or Professional bodies)</p>	<ol style="list-style-type: none"> 1. Board of Studies Member, Botany, Thakur College Kandivali 2. Board of Studies Member, Botany, University of Mumbai 3. Vice Chancellor Nominee for Career Advancement Scheme for Teachers, Botany <ul style="list-style-type: none"> ● Stage 1 to 2, Bandodkar College, Thane, 2010 ● Stage 1 to 2, SICES College, Ambernath, 2020 ● Stage 1 to 2, Sathaye College, Vile Parle, 2024 4. Life Member <ul style="list-style-type: none"> ● Indian Women's Science Association ● International Society of Science and Technology & Bionano Frontier ● Association of Teachers in Biological Sciences
<p>D. Resource person in Seminar/Conferences/Workshop</p> <p>Guest lecturers/ Refresher Course</p> <p>Orientation/STC</p>	<p>Resource Person :</p> <ul style="list-style-type: none"> ● Syllabus Revision Workshop, Botany at Thakur College, Kandivali, 3rd February 2018 ● Avishkar Preparation 2 Days Workshop, 25th and 26th March 2021, Kirti College, Dadar, ● Horticulture and Applications, Yashwantrao Chavan College of Science, Karad, 20th March 2021 ● Moving towards Green Revolution, SICES College of Arts, Science and Commerce, Ambernath, 9th February 2022 ● Green Revolution and Agriculture in India, Thakur College of Commerce and Science, Kandivali, 26th February 2022 ● Chairperson for Technical Session of National Conference on Environment and Biodiversity 27th and 28th January 2023, Thakur College, Kandivali ● Environmental Care for Future Sustenance, Centre of Resource Development for Educators, www.crde.in, 20th February 2024
<p>E. PhD</p>	<p>Completed, 4th December 2008</p>
<p>F. Ph. D. Guideship</p>	<p>Ph. D Guide. Successfully guided 1 student March 2023</p>
<p>G. Industry:</p>	<p>_____</p>

<p>H. Patents/Copyrights (Filed & Granted)</p>	<ol style="list-style-type: none"> 1. UK Patent granted for Bottle of Herbal Toothpaste with Baked Clay Texture and Power Slider (Design Patent, 23 August 2023), https://www.registered-design.service.gov.uk/find/6302915 2. Indian Patent granted for Portable Nanoparticle Cytotoxicity Tester (Design Patent, 6 November 2023) Design No. 395662-001, Serial No. 147775
<p>E. Others: (if any).</p>	<ol style="list-style-type: none"> 1. <i>Fluidity of Life, Invitee Speaker on TEDx TSEC.</i> https://youtu.be/o53KYcbqAsE?si=RpEQ2iCLIBskq8BL 2. N. C. C. Girls In charge from 1995 to 2015 3. Chairperson: <ul style="list-style-type: none"> ● Examination June 2016 to December 2020 (College and University) ● Alumni Association ● Anti Ragging Committee: 2022-2023 ● MSc Part I, Botany, 2023-24 4. Joint Chief Conductor, Examination from June 2016 to December 2020 5. Cluster College Coordinator from September 2018 to December 2020 6. Approved Research Guide: <ul style="list-style-type: none"> ● Ph. D - 1 student completed Ph D (2023) ● MSc. by Papers ● MSc. by Research 7. Elected Member of College Development Committee since academic year 2018-19 8. Incharge of Criterion 2 of IQAC, 2014 and 2021 9. Syllabus Framing: <ul style="list-style-type: none"> ● MSc Part I Botany NEP 2020 (Entire) implemented from 2023-24 ● FYBSc Botany NEP 2020 (Entire) to be implemented from 2024-25 10. Convenor: <ul style="list-style-type: none"> ● Webinar on Nurture Nature Nature will Nurture, R. K. Talreja College, 15th June 2020 ● Microscopy, R. K. Talreja College in association with Labline Stock Centre, 18th May 2020 and 20th May 2020

15. Publications*:	
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A. Research Papers:

1. D. Meena S. Rao (March 2023), Henna in Islam, "Al Zaitoon: One Day International Conference on Significance of Plants in the Light of Islamic Literature, G. M. Momin Women's College, Bhiwandi, 7th March 2023. (Presented)
2. D. Meena S. Rao (June, 2021), Study of Antibacterial Effect of *Carica papaya* in controlling Bacterial Infection, A Sustainable Approach to Agriculture, *International Journal of Advance and Innovative Research, Indian Academicians and Researchers Association*, Pg 9-12, ISSN 2394-7780, Impact Factor 7.36, Issue 2(III), Volume 8, April - June 2021. (NABARD, Development Bank of the Nation) .
3. P. P. Borate and *D. M. S. Rao (June, 2021) Some Important Medicinal Plants and Methods of Utilization by Traditional Healers in Kudal Tehsil of Sindhudurg District, *International Journal of Advance and Innovative Research, Indian Academicians and Researchers Association*, Pg 195-197, ISSN 2394-7780, Impact Factor 7.36, Issue 2(III), Volume 8, April - June 2021. (NABARD, Development Bank of the Nation) .
4. Ayesha Maste and *Dr. D. Meena S. Rao, (June, 2021) Effect of *Carica papaya* on Seed Germination and Physiological Response of *Trigonella foenum graecum*, *International Journal of Advance and Innovative Research, Indian Academicians and Researchers Association*, Pg 350-353, ISSN 2394-7780, Issue 2(III), Impact Factor 7.36, Volume 8, April - June 2021. (NABARD, Development Bank of the Nation) .
5. D. Pranita Rao, *D. Meena Rao (June 2021), A Critical Analysis of the Citrus Peel waste Value Chain from a Sustainable Circular Economy Perspective, *International Journal of Advance and Innovative Research, Indian Academicians and Researchers Association*, Pg 354-360, ISSN 2394-7780, Impact Factor 7.36, Issue 2(III), Volume 8, April - June 2021. (NABARD, Development Bank of the Nation) .
6. M. S. Rao (June 2020), Study of the history of some exotic fruits and vegetables in India with special reference to plant migration, *Vidyabharati International Interdisciplinary Research Journal*

(*Special Issue June 2020*), Pg 498-501, ISSN 2319-4979.

7. Borate Pallavi P., Meena S. Rao, (December 2018), Treatment of some skin diseases using traditional knowledge of medicinal plants from the sacred groves of Ratnagiri district, *Review of Research*, Pg 1 – 5, ISSN: 2249 – 894X, Impact Factor: 5.7631 {UIF}.
8. Pallavi P. Borate, Meena S. Rao, (March-April 2018), Floristic diversity of Sacred grove in Kudap village in Ratnagiri district, Maharashtra, *Online International Interdisciplinary Research Journal*, (Bimonthly), ISSN 2249-9598, Volume 8, Issue 02.
9. Borate Pallavi P., Meena S. Rao, (January 2018), An Ethnobotanical study of Pinguli village in Kudal Tehsil of Sindhudurg district of Maharashtra, *International Journal of Researches in Biosciences, Agriculture and Technology*. Pg 1 – 4, e-ISSN2347 – 517X, Impact Factor: 5.060
10. Dasi Meena S. Rao (February, 2015), Microplastic Pollution in Oceans, *Printing Area, Peer Reviewed International Refereed Research Journal*, Harshwardhan Publication Pvt. Ltd., Pg 64-66, ISSN 2394-5303, Issue 02, Volume 01.
11. Dasi Meena S. Rao (July - September 2014), Climate Change, Coastal Erosion and Mangroves in India, *Vidyawarta Peer Reviewed Refereed Research Journal*, Harshwardhan Publications Pvt. Ltd., Pg 67-68, ISSN 2319 - 9318, Issue 07, Volume 05.
12. Pathai Bhagyashree, Badlani Richa, Dasi Meena S. Rao; (January, 2014), Effect of Global Warming on Climate at Global level, *International Journal of Business Management & Social Sciences*, Pg 71-74, ISSN: 2249-7463.
13. Dasi Meena S. Rao (January - March 2014) Effects of Airborne Pollen and Spores on Human Health, *Ajanta, International Multidisciplinary Quarterly and Peer Reviewed Refereed Research Journal*, *Ajanta Prakashan*, Pg 141 - 145, ISSN 2277-5730, Global Impact Factor - 0.878. Issue - 1, Volume - 3.
14. Dasi Meena S. Rao (January - March 2013) Microalgae: Biotechnological Applications, Challenges, and Future Perspectives, *Ajanta, International Multidisciplinary Quarterly Research Journal*, *Ajanta Prakashan*, Pg 58-60, ISSN 2277-

	<p>5730, Global Impact Factor - 0.703. Issue - 1, Volume - 2.</p> <p>15. Gade Vaishali; Dasi Meena S. Rao (2012), Assessment of Industrial Effluent in water body, <i>Indian Association of Aquatic Biology</i>, Pg 103 – 109, ISSN – 0971-4235.</p> <p>16. Dasi Meena S. Rao; Yeragi Supriya S. (August 2011), Incidence of Airborne pollen at the garbage depot of Ulhasnagar; <i>Journal of Science and Information</i>, Vol. (I) August 2011, Pg1- 4, ISSN – 2229 – 5839.</p> <p>17. Dasi Meena S. Rao; Yeragi Supriya S, (April, 2011); Aeromycospora of garbage depot of Ambernath, <i>The Biosphere</i> 3 (1): 41 – 44, ISSN 0975 – 3877.</p> <p>18. Dasi Meena S. Rao; Yeragi Supriya S. (March 2011), Survey of Airborne Pollen at the garbage depot of Ambernath, <i>Journal of Science and Information</i>, Special Vol. (II) 2011, Pg108 - 111, ISSN – 2229 – 5839.</p>
B. Articles:	<p style="text-align: center;">—————</p>

C. Books/ Book chapters:	Book
	<ol style="list-style-type: none"> 1. D. Meena S. Rao and Suraj Maurya (April 2023) Effect of Air Pollution on Plants in Ulhasnagar Garden area and Ambernath MIDC area, <i>Frontiers in Life Science</i>. Pg 87-93, ISBN:978-93-88901-35-2, Volume X, 2. D. Meena S. Rao Monali Sonawane(April 2023) Effect of some Micro and Macro Elements on <i>Arthrospira Sp.</i> and Optimisation of Algal culture medium, <i>Frontiers in Life Science</i>. Pg 94-99, ISBN:978-93-88901-35-2, Volume X. 3. D. Pranita Rao, *D. Meena Rao (June 2020) Blue Carbon Farming Through Mangrove Ecosystem, <i>Climate Change, Mangroves and Sustainable Management</i>, Pg 97, ISBN: 978-93-88901-10-9 4. Meena S. Rao, Komal A. Kukreja*, (June 2020), Study Of Threats To Mangroves Ecosystems 160, <i>Climate Change, Mangroves and Sustainable Management</i>, Pg 97, ISBN: 978-93-88901-10-9. 5. Hema R. Pinjani, Seema D. Sindgikar, D. Meena S. Rao (April 2018) Foundation Course 1, Himalaya Publishing House, ISBN: 978-93-5273-670-6, 3 Chapters, First Edition. 6. Dasi Meena S. Rao (March, 2015), Study of Ecological Sustenance with reference to Women, <i>Proceeding of National Seminar on Women's Issue</i>, Pg 126 - 128, ISBN – 978-93-83342-13-6. 7. Dasi Meena S. Rao (28,29 January 2014), Study of Aeromycoflora in the Vegetable Market of Ambernath” <i>Proceedings of UGC sponsored National Conference on Fungi in Agriculture</i>, Pg 66-69, ISBN: 978-81-922163-4-8. 8. Dasi Meena S. Rao; Yeragi Supriya S, (December, 2012), Microbial diversity at the Garbage depot of Ambernath City, <i>Proceedings of UGC sponsored National Conference on Biodiversity Monitoring & Research Current Practice & Future Needs</i>, Pg 242 – 244 ISBN: 978 – 93 – 5087 – 589 – 6.

D. Co authored	<ol style="list-style-type: none">1. Foundation Course Book for FYBA, BCom, BSc, Himalaya Publication, 20182. Sustainable Industrial Design and Waste Management, Academic Guru Publishing House, 20223. Introduction to Biochemistry, Academic Guru Publishing House, 20234. The Basics of Environmental Science, Academic Guru Publishing House, 2023
16. Passport size photograph	