

CURRICULUM VITAE

Anjali P Soni

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HOME ADDRESS

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BIOGRAPHICAL DATA

- Born on May 3rd, 1973 at Modinagar Distt. Gaziabad (Uttar Pradesh State, India).

EDUCATION

- Intermediate from CBSE Board in 1990 at Modinagar (English, Science and Mathematics) securing 75% marks
 - B.Sc., at Modinagar from Meerut University, in 1993 (Botany, Chemistry and Zoology) obtaining 73% marks.
 - M.Sc. (Hons.) Bioscience from Roorkee University in 1995 securing 78% marks.
 - M.Sc. Ecology and Environment from MCVP, Bhopal (M.P) in 2001 obtaining 65% marks.
 - Post Graduate Diploma in Bioinformatics from Bioinformatics Institute of India, Noida.
 - Ph.D in Botany with specialization in Molecular Biology in 2005 from National Botanical Research Institute, Lucknow.
 - Post- doctorate in Environmental Microbiology from Department of Biosciences, Veer Narmad South Gujarat University sponsored by Department of Biotechnology, Government of India (2007)
 - Orientation Course from Academic Staff College, JNU New Delhi from 8/10/2012 to 2 November,2012
 - Complete Refresher Course from Academic Staff College, JNU New Delhi on 7 March,2014
 - Completed Refresher Course from Human Resource Development Centre Himachal Pradesh University, Shimla in Environmental Studies from 07.07.2017 to 05.08.2017
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INDUSTRIAL EXPERIENCE

Worked as Research Associate in R&D (Industrial Biotechnology) Dept. of VAM ORGANIC CHEMICALS LTD. Gajraula Distt. J.P.Nagar (U.P) (presently recognized as Jubilant Organosys Ltd.) from 20 November, 1995 to till June 30, 1999.

RESEARCH EXPERIENCE:

- Worked as Research Associate (ICAR) on “Molecular assessment of genetic diversity in Betel vine” at National Botanical Research Institute, Lucknow under the supervision of Dr. S. A. Ranade from August 1999 to August 2002.
 - Guided 10 and Co-guided 15 students for Dissertation work in M.Sc Integrated Biotechnology Course
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JOB EXPERIENCE:

1. Worked as Sector Specialist (Environmental Biotechnology) in Gujarat State Biotechnology Mission, Department Of Science and Technology, Government of Gujarat, Sachivalaya Gandhinagar.
 2. Presently working as Assistant Professor in Department of Biotechnology at Veer Narmad South Gujarat University, Surat.
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AWARDS, HONOURS

- Awarded the scholarship in M.Sc. by Roorkee University.
 - Awarded the University Medal for first position in M.Sc.
 - Best Paper presentation in Short term training programme on Advances on Wastewater Treatment and Energy Generation
 - Best Poster Presentation Award at UGC-CAS National Conference on Biodiversity and Bioresource Utilization 17-18 March 2015 at Department of Biosciences Saurashtra University Rajkot.
 - First Prize in Paper presentation (Co-author) at 2nd National Conference on Biological Tools for Sustainable Environment, 19-20 February, VNSGU, Surat.
 - First Prize in Poster presentation (Co-author) at 4th National Conference on Biological Tools for Sustainable Environment, 2nd March, VNSGU, Surat.
 - Second Prize in Paper presentation (Co-author) at International Conference on Recent Advances in Traditional Medicine, Medicinal plants and Phytochemistry, 8-9th February, 2019, PG Department of Botany, Ahmednagar College, Ahmednagar India
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RESEARCH PROJECTS:

Principle Investigator of Research project- **Inhibition of Growth and Induction of Apoptosis in Human Breast Cancer Cell line using *Tribulus terrestris* plant extract – In-**

in vitro analysis under Minor Research Project Scheme to Gujarat Council on Science and Technology (GUJCOST) Department of Science and Technology Government of Gujarat.

PUBLICATIONS:

1. Nidhi Patel, **Anjali Soni**, Preeti Sharma (2019) *In-vitro* ACE inhibitor, Anti-inflammatory and Cytotoxicity study of *Salvia* (Chia) and *Ocimum* (Basil) Seeds. International Journal of Scientific Research in Biological Sciences Vol.6, Issue.2, pp.74-80, April (2019) E-ISSN: 2347-7520
2. Apurva Patel, **Anjali Soni**, Nikhat Siddiqi, Preeti Sharma (2019) An insight into the anticancer mechanism of *Tribulus terrestris* extracts on human breast cancer cells. 3 Biotech, Vol. 9: 58 January, ISSN 2190-5738
3. Apurva Patel, **Anjali Soni**, Preeti Sharma (2018) Effect of *Tribulus terrestris* saponins on proliferation of Adipose-derived mesenchymal stem cells. Journal of Cellular Biochemistry, October, 1-5, ISSN 1097-4644
4. **Anjali Soni**, Ameer Patel, Vishma Shah, Juie Rana (2018) Antibiotic Resistance: Causes and Challenges. Edited Book: Red Biotechnology. Astral International Publishers. ISBN: 978-93-5124-962-7
5. Smita Parekh, Apurva Patel, **Anjali Soni**, Preeti Sharma (2018) Preliminary Phytochemical Screening and Quantitative Analysis of crude extracts of *Nyctanthes arbor-tristis* Indigenous to South Gujarat region. International Journal of Life Sciences Research Vol. 6, Issue 3, pp: (25-33), August Available at: www.researchpublish.com ISSN 2348-3148 (online)
6. **Anjali Soni**, Hala Seikh and Preeti Sharma (2017) Antimicrobial, Radical Scavenging and Cytotoxicity Studies of Saponin Rich plants. International Journal of Pharmacy and Biological Sciences (IJPBS) Volume 7 , Issue 4 , OCT-DEC, 162-170 ISSN: 2230-7605 (Online)
7. **Anjali Soni**, Patel Femida, Preeti Sharma (2016) *In-vitro* Cytotoxic Activity of plant saponin extracts on Breast Cancer Cell line. Research Journal of Pharmacognosy and Phytochemistry (ISSN No. 0975-2331) 9(1): 17-22
8. Anjali Soni and Hala Seikh (2016) CRISPR-Cas 9 Genome editing Technology: Development & Applications. (ISSN: 2455-6653) IJRDO- Journal of Applied Science 2 (11):1-6
9. Apurva Patel, **Anjali Soni**, Preeti Sharma (2016) *In vitro* cytotoxicity studies of Indian herb *Tribulus terrestris* on human breast cancer cells. IOSR-Journal of Biotechnology and Biochemistry (ISSN: 2455-264X), 2 (7): 84-90
10. Dharna Shah and **Anjali Soni** (2016) Isolation and screening of Actinomycetes from mangrove soil for enzyme production and antimicrobial activity. (ISSN 2321-2705) International Journal of Research & Scientific Innovation 3 (8): 54-59
11. **Anjali Soni** (2016) Chaemometric approach in medicinal plant and their products- A Review published in book series Recent Progress in medicinal plants Vol. 41 ISBN of series 0-9656038-5-7 published by Studium Press LLC, USA
12. **Anjali Soni** and Vanita P.Patel (2015) Isolation of endophytes from *Prosopis* and preliminary Studies of their effect on seed germination under salt stress. *Acta Velit* 1(4):139-146
13. **Anjali Soni** and Gayatri Chauhan (2015) Study of antioxidant and antimicrobial activity of medicinal plants utilized in cancer treatment. *Research Journal of Recent Sciences* 4 (IVC-2015): 15-21

14. **Anjali Soni**, Preeti Parmar and Piyush Desai (2013) Enzymatic study of cyanide utilizing *Pseudomonas* species isolated from contaminated soil. *Journal of Scientific and Innovative Research* 2 (6): 1058-1066
15. **Anjali Soni**, Sejal Rokad and Preeti Sharma (2013) Screening of efficient halotolerant phosphate solubilizing bacteria and their effect on seed germination under saline conditions. *Journal of Scientific and Innovative Research* 2(5): 22-29
16. **Anjali Soni** and Sheetal Sosa (2013) Phytochemical Analysis and Free Radical Scavenging Potential of Herbal and Medicinal Plant Extracts. *Journal of Pharmacognosy and Phytochemistry* 2(4): 22-29
17. **Anjali Soni**, Preeti Parmar and Shirish Ranade (2012) - Genotypic characterization of textile dye degrading bacteria by RAPD, rep-PCR and PCR-RFLP of 16S rDNA studies. *International Journal of Biological Sciences and Technology* 4 (1): 1- 9
18. Preeti Parmar, **Anjali Soni**, Krishna Vyas and Piyush Desai (2012) Isolation and characterization of cyanide degrading bacterial strains from contaminated soil *International Journal of Environmental Sciences* 2 (4): 2006-2014
19. Shirish Ranade, **Anjali Soni** and Nikhil Kumar (2011) SPAR Profiles for the Assessment of Genetic Diversity between Male and Female Landraces of the Dioecious Betelvine Plant (*Piper betle* L.). *Ecosystems Biodiversity* ISBN 978-953-307-417-7 InTech - University Campus STeP RiSlavka Krautzeka 83/A 51000 Rijeka, Croatia
20. **Anjali Verma**, S.A.Ranade, Nikhil Kumar (2004) – Genetic diversity amongst landraces of a dioecious vegetatively propagated plant, betelvine (*Piper betle* L.). *Journal of Biosciences* 29 (3): 319-328.
21. S.A.Ranade, **Anjali Verma**, Meetu Gupta and Nikhil Kumar (2002) RAPD profile analysis of betel vine cultivars. *Biologia Plantarum* . 45 (4): 523-527.
22. S.A.Ranade, Nuzhat Farooqui, Esha Bhattacharya and **Anjali Verma** (2001) Gene tagging with random amplified polymorphic DNA (RAPD) markers for molecular breeding in plants. *Critical Reviews in Plant Sciences* 20: 251-275.

ABSTRACTS PUBLISHED

1. Khusbu Vohra, Preeti Sharma, **Anjali Soni** (2017) Evaluation of Antioxidant and Cytotoxic Activity of Medicinal Plants at 4th International Congress of Society for Ethnopharmacology (SFE), India
2. Hala Shaikh, **Anjali Soni**, Preeti Sharma (2017) Antimicrobial, Radical Scavenging and Cytotoxicity Studies of Saponin Rich Plants at 4th International Congress of Society for Ethnopharmacology (SFE), India
3. Apurva Patel, **Anjali Soni** and Preeti Sharma (2016). Preliminary study on effect of *Tribulus terrestris* saponins on proliferation of Adipose-Derived Mesenchymal Stem Cells (ADSCs) at 2nd National Conference on Biological Tools for Sustainable Environment, 19-20 February VNSGU, Surat.

4. **Anjali Soni**, Apurva Patel and Preeti Sharma (2016) In- vitro cytotoxicity studies of Indian herb *Tribulus terrestris* on Human Breast Cancer Cell Line at UGC-CAS sponsored National Symposium on Exploring Advances in Biological Sciences 5 March Department of Biosciences S P University Vallabh Vidhyanagar Anand
5. **Anjali Soni** and Vanita P. Patel (2015) Isolation of endophytic fungus from *Prosopis* and preliminary studies of their effect on seed germination under salt stress at UGC-CAS National Conference on Biodiversity and Bioresource Utilization 17-18 March Department of Biosciences Saurashtra University Rajkot
6. **Anjali Soni** and Kinjal Sangani (2012) Genetic diversity analysis among *Cissus* Plants. Regional Science Congress, MSU Baroda, Vadodara from 15-16 September.
7. **Anjali Soni**, Shirish Ranade and Nikhil Kumar (2010) Detection of Betelvine cultivars on the basis of XY primers. National Symposium on Medicinal plants held at Surat 9-10 June, 2010.
8. **Anjali Verma**, Meetu Gupta, Nikhil Kumar and S. A. Ranade (2001). RAPD profile variation within ten “kapoori” types of Betel vine cultivars. National Symposium on Relevance of Plant Biochemistry and Biotechnology-Modern Trends, held at Department of Biochemistry, The American College, Madurai-625002, from March 1-3 2001.
9. **Anjali Verma**, Meetu Gupta, Esha Bhattacharya, Nikhil Kumar and S. A. Ranade (2001). RAPD profile-based distinction between “Kapoori” and “Bangla” types of Betel vine varieties. **Paper presented in:** Golden Jubilee Symposium, Biotechnological Innovations in Conservation and Analysis of Plant Diversity, of the Delhi University Botanical Society, Department of Botany, University of Delhi, held at Indian National Science Academy, New Delhi from February 7-9 2001.
10. **Anjali Verma**, Nikhil kumar, S.A. Ranade (2000). RAPD analysis of a vegetatively propagated plant (*Piper betel* L.) at National Symposium on Biotechnology for sustainability in Agriculture Society for Plant Biochemistry and Biotechnology. Department of Biochemistry, Molecular Biology and Genetic Engineering, G.B. Pant University of Agriculture and Technology, Pantnagar.

CONFERENCES, WORKSHOPS AND TRAININGS ATTENDED:

1. State Level Workshop on Research Methodology held at Shree Ram Krishna Institute of Computer & Applied Sciences, Surat 4th April, 2011
2. Two-Day National Workshop on Ecological Sanitation (ECOSAN- 2011) held at SVNIT Surat 20-21 October, 2011
3. 4th INSPIRE Internship Program/Science Conclave: A Congregation of Noble Laureates and Eminent Scientists held at IIIT-Allahabad 26 November -02 December, 2011
4. 14th International Conference (CONIAPS-XIV) on Physical Sciences Interface with Humanity held at SVNIT Surat 22-24 December, 2011
5. Short Term Training Programme on Sustainable Waste Management Techniques held at SVNIT Surat 03-07 June, 2013
6. Attended and Presented Paper on Molecular characterization of dye degrading bacteria from contaminated sites at Short Term Training Programme on Advances on Wastewater Treatment and Energy Generation held at SVNIT Surat 30 September-4 October, 2013

7. Training Programme in Advances in Waste water management techniques held at SVNIT Surat 23 June- 27 June, 2014
 8. Two days International Conference on Biotechnology and Bioinformatics organized by International Centre for Stem cells, Cancer and Biotechnology Pune 01 February-02 February 2014
 9. Presented Scientific paper entitled Study of antioxidant and antimicrobial activity of medicinal plants utilized in cancer treatment in 2nd International Virtual Congress (IVC-2015) on 5th to 10th April 2015.
 10. One week short term training programme on Interfacial Engineering and Nanotechnology for Sustainable development held at SVNIT Surat 10 August-14 August, 2015.
 11. 4th International Congress of the Society for Ethnopharmacology, India Healthcare in 21st Century: Perspectives of Ethnopharmacology & Medicinal Plant Research Organized by: Uka Tarsadia University, Bardoli (Dist-Surat), Gujarat, February 23-25,2017
 12. Presented Scientific paper entitled *In vitro* ACE inhibitor, anti-inflammatory and cytotoxicity study of *Salvia* (Chia) and *Ocimum* (Basil) at 4th National Conference on Biological Tools for Sustainable Environment, 2nd March, 2019
 13. Attended International Conference on Recent Advances in Traditional Medicine, Medicinal plants and Phytochemistry, Preliminary study of *Nyctanthes arbor-tristis* crude extracts for antioxidant and cytotoxic potentials, 8-9th February,2019, PG Department of Botany, Ahmednagar College, Ahmednagar India
 14. 2 weeks DST training Programme on BASIC AND ADVANCED PROTEOMICS APPROACHES “*Omics Technologies for Life Sciences*” conducted by IIT Bombay during 23rd September to 4th October, 2019.
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