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Dr. Minal Wani

Designation : Associate Professor

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Qualification : M.Sc., Ph.D.

Area of Specialization : Plant physiology, Plant Biotechnology

Academic qualification:

Ph. D Botany (Plant Physiology), Sardar Patel University, Gujarat, India. Topic “Physio-biochemical studies of senescence and ageing of flower and flower parts of some ornamental & vegetable flowers.” (1994-1997)

M. Sc. Botany , Sardar Patel University, Gujarat, India (1992 – 1994) (Gold Medalist)

B.Sc. Botany, Mahatma Gandhi University, Kerala, India., India (1987 –1990)

Employment History:

1. Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune, India: Associate Professor, (2010- present).
2. Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune, India: Assistant Professor, (2005- 2010).
3. Padmashree Dr. DY Patil A C S College, Pimpri, Pune, India , (University of Pune) : Lecturer (2004 -2005)
4. Private educational Institutes at Pune, India : Lecturer (2001 -2003)
5. Valplus Biotech Ltd., (Floriculture Project) Pune, India: Project Executive, (1997-2000)
6. Sardar Patel University, Gujarat, Pune, India, Research Scholar (1994- 1997)

Courses taught : *Plant physiology, Plant Tissue culture, Agriculture Biotechnology, Advances in Biotechnology, Cell Biology, Molecular Biology, Environmental Biotechnology, Developmental Biology, Biochemistry and Basic Sciences.*

Awards and Positions:

- 2007-Present : Head of Plant & Animal Tissue culture and Environmental Sciences
Department. Dr. DY Patil Biotechnology and Bioinformatics Institute, Pune.
- 2005-present : Member, Board of studies in Biotechnology, Dr. DY Patil University, Pune, India.
- 2010- present : Member, Faculty of Biotechnology and Bioinformatics, Dr. DY Patil University, Pune, India.
- 2007-2010 : Member, University advisory committee, Dr. DY Patil University, Pune, India.
- 2008-Present : Member, University complaints committee, Dr. DY Patil University, Pune, India.
- 2010-2013 : Member, Academic Council, Dr. DY Patil University, Pune, India.
- 2010 : Recognized Research Guide, Dr. DY Patil University, Pune, India.
- 2009-2010 : Member, Board of management, Dr. DY Patil University, Pune, India.
- 2009- : Ph. D Thesis Examiner, Allahabad Agricultural Institute, Deemed University, Allahabad
- 2008 : Advisory member, Sairam Trust, Ahmedabad.
- 2008 : Member, Academy of Plant Sciences India.
- 2009 : Member, Indian society of Plant Physiology
- 1994-1997 : UGC Project Fellow for Research.
- 1994 : Ranchodbhai Madhavbhai Patel Gold Medal for Securing University Ist Rank in M. Sc. Botany.
- 1988 : Represented Mahatma Gandhi University for National Integration camp organized by SNDT University, Bombay.
- 1988 : Help age India Certificate for contributions in National literary mission
- 1985-1990 : National Service Scheme Volunteer and group leader
- 1984 : Ist Class Guide

Publications:

1. Minal Wani, Snehal Pande and Nitin More (2010). Callus Induction Studies in *Tridax procumbens* (L). Int. J. of Biotech. Applications, 2(1): 11-14.
2. Snehal Pande, Minal Wani and Madhukar Khetmalas, (2011). Callus induction Studies on *Stevia* and antimicrobial screening of leaf extracts. South Asian Journal of Experimental Biology, 1 (4): 208-211
3. Minal Wani, Faizan Ali Sarvar, Juhi Agrawal, Jyoti Deshpande, Siji Mathew, Madhukar Khetmalas, (2012). Qualitative phytochemical analysis and antimicrobial activity studies of *Gymnema sylvestre* R. Br., Acta Biologica Indica, 1(1):121-124
4. Wani M., Saha S., Bidwai J. and Khetmalas M. (2012) Changes in Carbohydrate Levels and Associated Enzyme Activities during Post Harvest Vase Life of *Gerbera*

jamesonii Cv. Danalin Flowers as Influenced by Mineral Salts. Journal of Horticulture Letters, ISSN: 0976-9943 & E-ISSN: 0976-9951, Volume 2, Issue 1, pp.-08-11.

5. Minal Wani, Aparna Sharma, Jyoti Deshpande, Siji Mathew, and MB Khetmalas, (2013). Qualitative Phytochemical Screening of Three Indigenous Medicinal Plants. Research Journal of Pharmaceutical, Biological and Chemical Sciences. 4(1): 287-291.
6. Vishakha Sukhadev Shivsharan, S W Kulkarni and Minal Wani (2013). Physicochemical Characterization of Dairy Effluents. International Journal of Life Sciences Biotechnology & Pharma Research. 2(2): 182-191
7. Vishakha S. Shivsharan, Minal P. Wani, Suhas W. Kulkarani (2013). Isolation of Microorganism from Dairy Effluent for Activated Sludge Treatment. International Journal Of Computational Engineering Research 3(3): 161-167.
8. Minal Wani and Snehal Pande, (2012). Phytochemical Analysis and Antimicrobial Activity of Crude Extract of *Tridax procumbens* Leaves. Sustainable use of Medicinal Plants Ed. R. N. Pati, Abhijeet Publications, India.
9. Snehal Pande, Minal Wani and Madhukar Khetmalas, (2012). Callus induction Studies on *Stevia* and antimicrobial screening of leaf extracts. Sustainable use of Medicinal Plants Ed. R. N. Pati, Abhijeet Publications, India.
10. Lucyamma Joseph, K. V. Satish Kumar and Mehta P. M. (1996) : Effect of growth regulators and chemical treatments on post harvest life of *Ixora coccinea* and *Vinca rosea* flowers. Ad. Plant Sci. 9 (2). 187-193
11. Mehta P. M., K. V. Satish and Lucyamma Joseph (1998): Some Biochemical changes during development and senescence of *Vinca rosea* and *Ixora coccinea* flowers. Ad. Plant. Sci 11(2) : 309-312
12. Mehta P. M., K. V. Satish Kumar and Lucyamma Joseph (1999): Effect of mineral salts and growth regulatory substances on some biochemical changes during senescence in *Ixora* and *Vinca* flowers. Ad Plant Sci. 12(II):393-400.

Presentations/Abstracts:

- Minal Wani and Mehta P.M. 2008. Effect of chemical treatments on some physiological changes during post harvest life of cut flowers of *Rosa hybrida* L. cv. Gladiator. National Conference on Perspectives & present scenario in plant science research & 17th APSI scientists meet. Institute of Science, Mumbai. 20-21st Nov, 2008.
- Snehal Pande, Minal Wani and M. Khetmalas. 2008. Callus induction from leaf explants of *Stevia*. State level conference on Roadmap for Biotechnological Research in Maharashtra, MPKV. Rahuri. 27th Sept.2008.
- Minal Wani, Snehal Pande, Nitin More, Ritu Singh and Suchi Desai. 2009. Callus

Induction Studies In a Weed Plant *Tridax procumbens* (Linn.). First symposium on Trends and advancement in Life Sciences, IISc Bangalore, 27-28 Nov, 2009.

- Minal Wani, Snehal Pande and Ujjwal Fultambkar. 2009. Study on effect of salinity on in vitro growth and some physiological parameters of various rice (*Oryza Sativa* L.) cultivars, National conference on “Frontiers in Plant Physiology towards Sustainable Agriculture”, AAU, Jorhat, Assam. 5 - 7 Nov, 2009.
- Sahely Saha, Anubhakumari, Amrita Singhar, Jyoti Bidwai and Minal Wani. 2009. Changes in carbohydrate levels and associated enzyme activities during post harvest vase life of *Gerbera jamesonii* cv. Danalin flowers as influenced by mineral salts. National Conference on Plant Sciences: Diversity, Products & Environmental Planning, Ranchi. 11-12 Oct. 2009.
- Minal Wani, Snehal Pande, Nitin More, Shikha Sharma and Dhvani Kothari. 2010. Phytochemical Analysis and Antimicrobial Activity of Crude Extract of *Tridax procumbens* Leaves. International Conference on conservation, Marketing and patenting of medicinal Plants, (ICCMP), Raipur, Chhattisgarh, 13-14, March 2010.
- Jyoti Deshpande, Minal Wani, Snehal Pande, Rashi Gupta and Pallavi Thakral. 2010. Studies on callus induction and inhibitory effect of *Azadirachta indica* on *S.aureus*, *B. subtilis* and *E. coli*. International Conference on conservation, Marketing and patenting of medicinal Plants, (ICCMP), Raipur, Chhattisgarh, 13-14, March 2010.
- Snehal Pande, Minal Wani and Madhukar Khethmalas. 2010. Callus induction Studies on *Stevia* and antimicrobial screening of leaf extracts. International Conference on conservation, Marketing and patenting of medicinal Plants, (ICCMP), Raipur, Chhattisgarh, 13-14, March 2010.
- Dhvani Kothari, Ritu Singh, Shikha Sharma, Suchi Desai, Snehal Pande and Minal Wani. 2010 *In vitro* efficacy of bioactive extracts of *Tridax procumbens* (L.) against some human pathogens. State level conference on Recent Trends in Physico Chemical Sciences, Biotechnology and Biodiversity. Pimpri, Pune. 12-13 Feb. 2010.
- Snehal Pande, Minal Wani, Amol Dhore and Saurabh Pawar. 2010. Comparative effect of Phytohormones on Somatic Embryogenesis and regeneration of eggplant. State level conference on Recent Trends in Physico Chemical Sciences, Biotechnology and Biodiversity, Pimpri, Pune. 12-13 Feb. 2010.
- Vishal Choudhary, Faizan Ali Sarwar, Snehal Pande and Minal Wani (2011) Preliminary screening of some Phytochemical components of *Costus pictus* D. Don. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune, India. 12th Feb 2011.
- Faizan Ali Sarwar, Vishal Choudhary, Snehal Pande and Minal Wani (2011) Phytochemical investigation studies on *Gymnema sylvestre* R.Br. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune, India. 12th Feb 2011
- Vishakha Shivsharan, S. W. Kulkarni & Minal Wani (2011) Physico-chemical characterization of dairy effluent. National Seminar on Frontiers in Biotechnology and Bioinformatics, Dr. D. Y. Patil Biotechnology and Bioinformatics Institute, Pune, India. 12th Feb 2011.

- Minal Wani, Ujwal Fultambkar. and M.B. Khetmalas (2012): Study on effect of salinity on in vitro growth and some physiological parameters of various rice (*Oryza sativa* L.) Cultivars. International Conference on Plant Biotechnology for Food security: New Frontiers, February 21 – 24, 2012. National Agriculture Research Centre, New Delhi, India.
- Faizan Ali Sarvar, Juhi Agrawal, Jyoti Deshpande, Minal Wani (2012). Qualitative Phytochemical Analysis And Antimicrobial Activity Studies Of *Gymnema sylvestre* R.Br. Second National Conference on Biotechnology, Bioinformatics and Bioengineering, February 24-25, 2012, held at Kolhapur, Maharashtra.
- Aparna Sharma, Tarushikha Khetan, Jyoti Deshpande, Siji Mathew, Minal Wani. (2012) Qualitative Phytochemical Investigation Studies and Isolation of Active Compounds by Thin Layer Chromatography of Three Anti diabetic plants. Second National Conference on Biotechnology, Bioinformatics and Bioengineering, February 24-25, 2012, held at Kolhapur, Maharashtra.
- Faizan Ali Sarvar, Arif Kamal Khan, Jyoti Deshpande, Minal Wani, K. V. Swamy. (2012). In Vitro Callus Induction Studies of *Gymnema sylvestre* R.Br. & Molecular Docking Of Gymnemic Acid. International Conference On Advances In Biological Sciences. 15-17 March 2012 Kannur, Kerala.
- Payal Amale, Jyoti Bidwai, Minal Wani, M. B. Khetmalas. (2012) Qualitative Phytochemical investigation studies and isolation of active compounds by Thin Layer Chromatography of *Plumbago*. International Seminar on Emerging Threats and Challenges to Biodiversity: Policy Framework for sustainable Management. ETCOB 2012. 2nd to 4th March 2012, held at Shri Venkateshwara University, Tirupati, Andhra Pradesh.