




Shivaji College Faculty Details Proforma

Title	Dr.	First Name	Anuradha	Last Name	Mal	Photograph
Designation		Associate Professor				
Address		Department of Botany Shivaji College (University of Delhi) Raja Garden New Delhi 110027				
Office Phone No.		011 25116644				
Residence		M12/ 1F; DLF City 2; gurugram-122008				
Mobile						
Email		anuradha21malgmail.com				
Web-Page						
Educational Qualifications		M Phil, Ph D				
Degree		University/Institute			Year	
Ph.D.		University of Delhi			1986	
M.Phil./M.Tech.		University of Delhi			1981	
PG		Kurukshetra University			1980	
UG		University of Delhi			1978	
Post-doctoral research		University of Delhi			1987	

Career Profile				
Name of the Institution	Position Held	From	To	Total Period
Shivaji College	Temporary Faculty	30. 10. 1985	15.01. 1987	1yr 2.5 months
Department of Botany	Post-doctoral fellowship (CSIR)	16.01. 1985	02. 02. 1988	1 yr 1 month
Shivaji College	Permanent Faculty	03.02.1988	Till date	More than 30 yrs
Khoday Biotek, Palm Grove Nurseries, Kannakapura Road, Bangalore	Visiting Scientist	05. 04. 1993	20.04.1996	Three years
Norwegian University of Science and Technology (NTNU) Trondheim Norway	Guest Researcher	05. 08. 1997	14.11.1997	3 months
NTNU Norway	Visiting Faculty	01.05. 2009	30. 10. 2009	6months
NTNU Norway	Post-doctoral fellow	01.10.2010	30.10.2010	1 month
NTNU Norway	Post-doctoral fellow	01.10.2011	30. 10 2011	1 month
Administrative Assignments				
<ul style="list-style-type: none"> • Member time table Committee 1998 to 2000 • Started Women Development Club in College 2003 • Convener WDC 2003 to 2006 • Convener Cultural Committee 2007 to 2010 • Convener Cultural Committee 2013 to 2015 • Member Placement Committee 2013 to 2014 • Convener Discipline Committee 2011- 2013 • Convener Admission Committee 2012 to 2013 • Member Library Committee 2014 to 2015 • Convener Library Committee 2015 to 2016 • Convener Student Advisory Committee 2016 to 2018 • Superintendent Examinations 2017 • Convener Website committee 2018 to till date • Member Entrepreneur cell • Member IQAC 2015 till date • Teacher in charge 2006-2007; 2012-2013 • In-charge Botanical Society 1999 to 2003 <ul style="list-style-type: none"> • Educational events organized <ul style="list-style-type: none"> • Convener: International Conference on Science, Spirituality and Humanity: Transcending Discipline Barriers, 17th – 19th February, 2011, Conference Hall, University of Delhi, North Campus. • Convener: National Symposium on Frontiers and Avenues in Plant Sciences, 20th – 21st January, 2011, Shivaji College. • Convener: Seminar on Opportunities for Indian students and teachers under Erasmus Mundus External cooperation window on 8 October, 2009 				

- Co convener Training workshop for lab assistants
- Chaired a session in International Conference on Science Spirituality :transcending discipline barrier, Shivaji College 2011
- Resource person INSPIRE camp 2015 and 2018

Areas of Interest/Specialisation

- Plant Cell Biology
- Reproductive Biology of Angiosperms
- Analytical Techniques
- Biotechnology

Subjects Taught

- Cell and Molecular Biology
- Plant Embryology
- Ecology
- Plant Diversity
- Microbiology
- Biotechnology
- Economic Botany

Innovation Project/Research Projects (Major Grants/Research Collaboration)

A Dried Blood Spot collection study for detection of Brucellosis in Bovine Population of Indian villages: an ELISA based system specific to Omp 25 and Omp28 proteins of Brucella abortus

Publications Profile (Research Papers/Books)

- Knowledge and Prevalence of Brucellosis 2018. Nimita Kant, Parul Kulshreshtha , Rashmi Singh, Anuradha Mal, Shashikant Kumar, Mohit Tehlan, Amita Dwivedi, Rinkle Mehra, Riya Ahuja, Shilpa Kausik and Paritosh Ahmed. DU Journal of Undergraduate Research and Innovation Volume 4, Issue 1, pp 43-49, ISSN 2395-2334
- Embryo –endosperm relationship. 2015. Anuradha Mal and Seema Talwar: e-lesson on ILL portal vle.du.ac.in :ISSN 2349-154X
- Embryo. 2015 Anuradha Mal and Seema Talwar: e-lesson on ILL portal vle.du.ac.in :ISSN 2349-154X
- Female Gametophyte 2014. Anuradha Mal: e-lesson on ILL portal vle.du.ac.in :ISSN 2349-
- Megasporengium.2014, Anuradha Mal: e-lesson on ILL portal vle.du.ac.in :ISSN 2349-154X
- Meditation for health and peace. Anuradha Mal and Prabhavathi (2016). In International Conference on Public Health: Issues, challenges, opportunities, prevention, awareness ISBN 978-93-85822-10-0
- Climate change mitigation Pamil Tayal and Anuradha Mal (2015). In National conference on climate change: Impacts, adaptation, mitigation scenario and future challenges in

Indian perspective held on 2nd and 3rd March, 2015. ISBN: 97893-5235-335-4

- Localization of peroxidases during megagametogenesis in *Scilla sibirica* Sato. Anuradha Mal and N.N. Bhandhari (1989). Plant Science Research in India. Eds.M.L.Trivedi; B.S.Gill and S.S. Saini; Pp 755 -764, Today and Tomorrow Publishers.
- The mature ovule of *Papaver Somniferun* Linn – A histochemical approach. N.N Bhandhari, Mrinal Bhargawa and Anuradha Sachdeva (1985). Phytomorphology 35:21 – 28
- Wall ingrowth or trabecula in the free – nuclear embryo sac of *Scilla sibirica* Sato. N.N Bhandhari and Anuradha Mal (1989) Phytomorphology 39:21 – 29 ISSN 0031-3691
- Glycol Methacrylate embedding – an improved procedure for localization of some enzymes for optical microscopy. N.N Bhandhari and Anuradha Sachdeva (1984). Current Science 52(22):1186-1188. ISSN 0011-3891
- Some aspects of organization and histochemistry of the embryo sac of *Scilla sibirica* Sato Linn.,N.N. Bhandhari and Anuradha Sachdeva (1983) Protoplasma 116:170-178. ISSN 0033 183X Impact Factor 3.17
- Semi-technical publications
- Bioremediation of wastewater using algae, Anuradha Mal (2010) The Botanica 58:1 ISSN 0045 2629
- Acid Rains. Anuradha Sachdeva (1982) Botanica 32:140-142. ISSN 0045 2629

Presentations: Full Paper

- Paper presentation on Philosophy of Bhagavad-Gita and its relevance in present world scenario. Anuradha Mal: in 3rd SSEASR Conference, 2nd -5th June 2009, Bali, Indonesia.

Poster presentations

- Air pollution and its impact on human health, Crops and ecosystem. 2016. In National seminar on water quality in Urban Ecosystems. Pratima Sardar, Seema Talwar and Anuradha Mal Shivaji College
- Seroprevalence survey of Brucellosis in buffalo population of Delhi NCR region 2016 at Bioepoch National symposium, School of Biotechnology JNU, Delhi.
- Climate change Mitigation (2015) Tayal, P and Mal, A. in National Conference on “Climate Change: Impacts, adaptation, mitigation scenario and future challenges in Indian perspective held on 2nd and 3rd March 2015, Deen Dayal Upadhyaya College.
- Plants as spiritual messengers. Anuradha Mal in International Conference on Science, Spirituality and Humanity: Transcending Discipline Barriers, 17th – 19th, Shivaji College
- Impact of Yoga on life style disorders. Anuradha Mal and Prabhavathi; In National seminar on life style disorders, Shivaji College, 2016

Conference/Seminar/Faculty Development Programme/Workshop

WORKSHOPS

- Workshop on Cell Biology, Department of Genetics, University of Delhi
- Biofertilizers, Zakir Hussain College, July 14-16, 2016.
- Ankuran on Development of Herbal Garden” Shivaji College, University of Delhi, in collaboration with NMPB, Ministry of AYUSH, Govt. of India, CEE, Department of Environment on January 29, 2015.
- Environmental Pollution and Health in Urban Ecosystem, Department of Botany and Zoology, Shivaji College and Departmental of Environmental Studies, University of Delhi on June 23, 2016.

- “3rd Lab Skill Training Workshop for Laboratory Attendants / Assistants of Chemical and Life Sciences” under Internal Quality Assurance Cell (IQAC) from July 10th -14th, 2017 in Shivaji College, University of Delhi.

CONFERENCES

- National Conference on “Climate Change: Impacts, Adaptation, Mitigation Scenario and Future challenges in Indian Perspective” organized by Department of Botany, Deen Dayal Upadhyaya College, University of Delhi on March 2-3, 2015.
- International Conference on “Public Health: Issues, Challenges, Opportunities, Prevention, Awareness; organized by Daulat Ram College, University of Delhi, Delhi – 110007 on January 15-16, 2016.

SYMPOSIUM AND SEMINAR

- National Seminar on “Water and Air Quality in Urban Eco-system” organized by Eco-Club, Shivaji College, University of Delhi, New Delhi – 110027, on March 22, 2016.
- National Symposium on “Lifestyle Disorders: understanding the molecular mechanisms” organized by Department of Biochemistry, Shivaji College, University of Delhi, New Delhi – 110027, on January 28-29, 2016
- National Symposium on “Trends in research and Innovations in life sciences at Undergraduate level” organized by Dept of Zoology, Deen Dayal Upadhyaya College, New Delhi, on March 30, 2016.
- National Symposium on “Bioepoch 2016” organized by School of Biotechnology, Jawaharlal Nehru University, Delhi, 2016

Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

Awards and Distinctions

1. Erasmus Mundus External Cooperation Window, Post-doctoral Fellowship, 2010 & 2011 (2 months) NTNU, Trondheim, Norway.
2. Erasmus Mundus External Cooperation Window, Academic Staff Exchange, 2009 (6 months) NTNU, Trondheim, Norway.
3. NUFU Fellowship, 1997 (3 months), NTNU, Trondheim, Norway.
4. Visiting Scientist, 1993-1996, (3 years), Khoday Biotek (tissue culture lab), Bengaluru,
5. Post –doctoral Research Fellowship 1yr I month
6. Senior research Fellowship CAS Department of Botany 2 years 6 months
7. Junior Research Fellowship CAS Department of Botany 2 years

Memberships

- International Society of Plant Morphologists
- Indian Society of Cell Biology

Other Academic Activities

Nodal person, Science Setu Programme

Cultural/Extracurricular Activities

Have been the convenor of cultural committee of the college several time. Organized a number of cultural festivals and promoted students to identify their talent and pursue it.

Anuradha Mal

Signature of Faculty Member