




Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
Dr	Darshan	Malik	
Designation	Associate Professor		
Address	P-8/14 DLF Phase 2 Gurugram Haryana, 122008		
Office Phone No.			
Residence	0124-4053100		
Mobile	9711191055		
Email	darshanmalik@yahoo.com		
Web-Page			
Educational Qualifications	B.Sc, M.Sc., PhD		
Degree	University/Institute	Year	
Ph.D.	Haryana Agricultural University, Hisar, Haryana, India	1990	
M.Phil./M.Tech.			
PG	M.Sc. Biochemistry; Haryana Agricultural University, Hisar, Haryana, India	1981	
UG	B.Sc. Biochemistry; Haryana Agricultural University, Hisar, Haryana, India	1979	
Any Other Qualification	P.D.F. Norwegian University of Science & Technology	2009	

Career Profile

I have been an active academician for the past 27 years and have strived for all round excellence of the students and the institution. A **CSIR fellow**, with an academically sound background, I was awarded with the **Erasmus Mundus Fellowship** in 2009 by Norwegian University of Science & Technology for pursuing post doctoral work UNDER Academic exchange program.

I am an active researcher in Biochemistry with **41 publications** in international and national peer reviewed journals, **19 papers/posters presentation** in international and national conferences and participation in more than **20 conferences/seminars/workshops**. I have **supervised one PhD** student and supervising another Ph.D student and mentored 20 students under two innovation projects, funded by the University of Delhi. Under aegis of the innovation project SHC-203, we were able to construct '**Microbial Fuel Cell**' and generate a substantial amount of electricity utilizing the water of the river Yamuna. We were awarded "**Certificate of Appreciation**" in Antardhwani-2015 for the same.

I have received **7 awards** in the field of research, co-authored **3 books**, co-edited **4 books** and written **7 book chapters**. I am an **Executive Board Member** of the "Journal of Biotechnology and Crop Sciences", **Editorial Board Member** of "Journal of Biotechnology and Crop Sciences", "Biotech Express" and **member** of Proteomic Society of India, Indian Association of Science Congress. I was also appointed **counselor** for Society of Crop Scientists & Biotechnologists, BHU.

As convener of the Women Development Cell, I have been successful in creating gender sensitization by organizing two International Conferences entitled "**Science Spirituality and Humanity: Transcending Discipline Barriers**" and "**Empowerment of Women in the Developing World**" in collaboration with NIDM, Ministry of Home Affairs, Govt. of India and Centre for Women Development.

In order to instill the sense of social responsibility in students, I established a **social welfare linkage program** with policemen of seven Police stations and students, to rehabilitate destitute women. This also led to an International linkage program for forming 'Peace Forum' with team of likeminded youth from **University of Kentucky, Lexington**.

Administrative Assignments

Name of University /College/Institution	Designation	From	To	Experience [in years & month(s)]
Shivaji College, DU	Teacher In-charge	2014 2010 2007 2003 1999 1994 1991	2015 2011 2008 2004 2000 1995 1992	6 Years and 5 Months
Shivaji College, DU	Convener, General Purchase Committee (GPC)	2018	Till date	

Shivaji College, DU	Convener, Discipline Committee	2014	2016	2 Years
Shivaji College, DU	Convener (Science) Admission- Academic Committee	2014	2016	2 Years
Shivaji College, DU	Convener, WDC	2011	2013	2 Years
Shivaji College, DU	Convener, General Purchase Committee (GPC)	2010	2012	2 Years
Shivaji College, DU	Member, Student Advisory Committee	2014	Till Date	2 Years
Shivaji College, DU	Member, Eco Club	2012	2014	2 Years
Shivaji College, DU	Member, College Research Cell	2014	Till Date	2 Years
Shivaji College, DU	Member, General Purchase Committee (GPC)	2010	2011	1 Year
Shivaji College, DU	Member, Sports Committee	2009	2010	1 Year
Shivaji College, DU	Member, Lecture Series (Punjab Rao S. Deshmukh)	2009	2010	1 Year
Shivaji College, DU	Member, Library Committee	2008	2009	1 Year
Shivaji College, DU	Member, Music & Drama	2008	2009	1 Year
Shivaji College, DU	Member, Sports Committee	1990	1992	2 Years

Areas of Interest/Specialisation

Cell Biology, Human Physiology, Enzymology

Subjects Taught
Cell Biology, Proteins and Enzymes, Hormones, Human Physiology, Membrane Biology and Bioenergetics
Innovation Project/Research Projects (Major Grants/Research Collaboration)
<p>2013-14: Co-investigator of project: “Biochemical assessment of toxic heavy metals in bacterial strain growing in the polluted water: A step towards Bioremediation” Sponsored by University of Delhi under Innovation project scheme [Total funding: 5.5 Lacs]</p> <p>2015-16: Co-investigator of project: “Lifestyle Disorders: Etiology, Awareness & Management” Sponsored by University of Delhi under Innovation project scheme [Total funding: 5 Lacs]</p>
Publications Profile (<i>Research Papers/Books</i>)
<ol style="list-style-type: none"> 1. Sarla Malhotra, Darshan Malik, Kuldip Singh Dhindsa (1988). Proximate composition and antibacterial factors in rice bean (<i>Vigna umbellata</i>). <i>Plant foods for Human Nutrition</i>, 38(1). 75.(UGC journal no 3099) 2. Sarla P, Malhotra, Darshan Malik, Kuldip Singh Dhindsa (1988). Nutrient composition and biological evaluation of Bajra (<i>Pennisetum typhoides</i>). <i>International Journal Of Tropical Agriculture</i>, 055. 299-3) .(UGC journal no 7714) 3. Sarla Malhotra, Darshan Malik, Krishna Maan and Kuldip Singh Dhindsa (1989). Biological Evaluation of Proteins in some varieties of wheat. <i>International Journal Of Tropical Agriculture</i>, 7(3-4). 281-286. .(UGC journal no 7714) 4. Darshan Malik, Inder S. Sheoran and Randhir Singh (1992). Carbon metabolism in leaves of cadmium treated wheat seedlings. <i>Plant Physiology and Biochemistry</i>, 30(2). 223-229. .(UGC journal no 31066) 5. Darshan Malik, Inder S. Sheoran and Randhir Singh (1992). Lipid composition of thylakoid membrane of cadmium treated wheat seedlings. <i>Indian Journal of Biochemistry and Biophysics NISCAIR</i>, 29(4). 350-354. ..(UGC journal no 20722) 6. Ingerid Arbo, Cathinka Halle, Darshan Malik, Hans-Richard Brattbakk and Berit Johansen (2011). Insulin induces fatty acid desaturase expression in human monocytes. <i>Scandinavian Journal of Clinical & Laboratory Investigation Informa Healthcare</i>, 71(4). 330-339. ..(UGC journal no 23867) 7. Sunita, S., Jayita, T., Darshan, M., Parul, M., Shashi, N., (2014). Identity Negotiation: The Prospective of Indian Women. <i>Journal of International Academic Research for Multidisciplinary</i>, 2 (7). 439-447. (UGC journal no 45235) 8. Jagriti, K., Amarjeet, K., Darshan, M., Raj, K.S., Chadha, D. K., Shashi, N., (2014). Identification of suitable site for possible ground water recharge in southwest district of Delhi. <i>International Journal for Research in Applied Science and Engineering Technology</i>, 2 (VII). 24-29. 9. Jayita, T., Darshan, M., Shashi, N., Sunita S., (2014). Situating Women in modern Science: The India Scenario . <i>Journal of International Academic Research for</i>

- Multidisciplinary*, 2(7). 52-59. ..(UGC journal no 45235)
10. Renu, K., Amarjeet, K., **Darshan, M.**, Raj, K.S., Shashi, N., (2014). Restoration and management study of water bodies in the West District of NCT-Delhi. *International Journal of Current Microbiology and Applied Science*, 3(7). 937-944. ..(UGC journal no 44421)
 11. Amrik, B., A., Anshu, G., Amarjeet, K., **Darshan, M.**, (2014). Efficacy of *Acinetobacter* sp. B9 for simultaneous removal of phenol and hexavalent chromium from co-contaminated system. *Applied Microbiology and Biotechnology*, 98(23). 9829-41. ..(UGC journal no 15988)
 12. Shashi, N., **Darshan, M.**, (2014). STEM CELLS: A Life Insurance Policy at Birth? *International Journal of Current Microbiology and Applied Science*, 3(7). 995-1001. ..(UGC journal no 44421)
 13. **Darshan, M.**, Sunita, S. , Jayita, T., Raj, K. S. , Amarjeet, K. , Shashi, N., (2014). Heavy Metal Pollution in Yamuna River: An Introspection . *International Journal of Current Microbiology and Applied Science*, 3(10). 856-86 3. ..(UGC journal no 44421)
 14. **Darshan, M.**, Promita, T., Sunita, S., Jayita, T., Shashi, N., (2014). Defining Fashion: Examining Evolving Trends from a Socio Historical Perspective. *Journal of International Academic Research for Multidisciplinary*, 2(11). 188-193. ..(UGC journal no 45235)
 15. **Darshan, M.**, Jayita, T., Sunita, S., Raj, K.S., Anita, K., Amarjeet, K., Shashi, N., Anil, K., (2014). Nanocomposite Electrode Microbial Fuel Cell: A Promising Technology for Enhanced Power Generation from Yamuna Water. *International Journal of Science and Research*, 3(7). 641-646.
 16. **Darshan, M.**, Sunita, S., Jayita, T., Anita, K., Shashi, N., (2014). Microbial Fuel Cell: Harnessing Bioenergy from Yamuna Water. *International Journal of Science and Research*, 3(6). 1076-1081.
 17. Sunita, S., **Darshan, M.**, Jayita, T., Amarjeet, K., Raj, K.S., Shashi, N., (2014). A Comparative Analysis of the Physico-chemical Properties and Heavy Metal Pollution In Three Major Rivers. *International Journal of Science and Research*, 3(8). 1936-1941.
 18. Amrik Bhattacharya, Anshu Gupta, Amarjeet Kaur and **Darshan Malik**, (2015) Assesment of phenol-degrading ability of *Acinobacter* sp. B9 for its application in bioremediation of phenol-contaminated industrial effluents. *Chemistry and ecology*. Vol. 31(7). 607-621. ..(UGC journal no 7013)
 19. **Malik, D.**, Singh, S., Kaur, A., Thakur, J. and Nijhawan, S. 2016. A Review on oxidative burst: Biochemical implications of metal toxicity. *Journal of Biotechnology and Crop Science* 5(7): 35-47, 2016
 20. Jayita, T., **Darshan, M.**, (2016). Cardiovascular diseases and Yoga: Non Pharmacological Interventions. *International Journal of Biotechnology and Biomedical Sciences*, 2(2). 134-138
 21. Amrik , B., Anshu, G., Amarjeet, K., **Darshan, M.**, (2016). Simultaneous Bioremediation of Phenol and Cr (VI) from Tannery Wastewater Using Bacterial

- Consortium. *International Journal of Applied Sciences and Biotechnology*, 30(1). 50-55.
..(UGC journal no 45498)
22. Aeshna, N., Kiran, B., **Darshan, M.**, Shashi, N., (2016). Heavy Metal Contamination in Vegetables: Source of Nutrition or Health Hazard? *Journal of Basic and applied Engineering Research*, 3(1). 60-65..(UGC journal no 45889)
23. **Darshan ,M.**, Jayita, T., Jeetendra, A., Ankita, D., Shashi, N.,Abhishek, K., Kamalpreet, K.,Himanshi, A., Diksha, M., Hritika, V., Subhasis., Sheetal., Aakanksha, S., Akshay, G.M., Mithilesh, Y., (2016). Quetelet's Index and Body Fat Percentage Assessment in Indian Undergraduate Students. *DU Journal of Undergraduate Research and Innovation*, 2(1). 56-69. ..(UGC journal no 45816)
24. **Darshan Malik**, Jayita Thakur, Jitendra Aggarwal, Ankita Dua and Shashi Nijhawan (2016). Irregularities of the Ovarian Cycle in Young Females: Etiology, Awareness and Management. *International Journal of Biotechnology and Biomedical Sciences*, 2(1). 57-59.
25. **Malik, D.**, Thakur, J., Dua, A., Aggarwal, J. & Chumbak, T. 2016. Estimation of blood glucose, serum calcium & blood pressure as measures of risks of lifestyle disorders in young adults. *International Journal of Biotechnology and Biomedical Sciences*. Vol 2(3): 25. [ISSN: 2454-4582]
26. **Darshan Malik and Amit Srivastava**.2017. Molecular characterization of fluorescent bacteria antagonistic against Turicum leaf blight . *Journal of Biotechnology and Crop Science* 6(8): 82-85.
27. **Malik, D.**, Thakur, J. & Dua, A. 2017. Psychotherapy: Talking therapy for mental illness. Conference Proceedings at International Conference on Role of Arts, Culture, Humanities, Religion, Education, Ethics, Philosophy, Spirituality & Science for Holistic Societal Development. Pp 136. [ISBN: 978-93-85822-42-1]

Co-editor of

1. Nijhawan,S., Lochan, A. and **Malik, D.** 2014. Empowering Women: The Indian Socio-Cultural Scenario. Pragun Publication (A D K Publishers Distributors Enterprise), New Delhi

Chapters in books

2. **Malik, D.**, Sheroan, I.S. and Singh, R. Effect of UV-B enhanced radiation on photosynthetic activities and polypeptides of thylakoids in *Vigna sinensis*. Ed: G. S. Singhal and T. Rama sarma, Today & Tomorrow's Printers and Publisher.
3. **Malik, D.**, Nijhawan, S. and Kaur, A. 2014. Empowering Women: The Indian Socio-Cultural Scenario; Book: Women & Disaster Management. Pragun Publication (A D K Publishers Distributors Enterprise), New Delhi

Conference/Seminar/Faculty Development Programme/Workshop

1. **2010** National Conference on "Tapped between Traditional and Modernity changes and challenged faced by women in India at Shivaji College.

2. **2010** National Workshop on RNAomics: Isolation to Inference.
3. **2010** National Symposia on “Current Trends in Genomics and Proteomics” held at Deshbandhu College.
4. **2011** Bioinformatics Workshop for Life Sciences Faculty organized by Bioinformatics Centre, Sri Venkateswara College.
5. **2011** International Conference on Science, Spirituality and Humanity: Transcending Discipline Barriers held at University of Delhi.
6. **2011** National Symposia on Frontiers and Avenues in Plant Sciences at Shivaji College.
7. **2012** “Bioinformatics” Workshop for Life Science Faculty organized by Bioinformatics Centre, Sri Venkateswara College, University of Delhi.
8. **2013** First WDC International Conference on Empowerment of Women in Developing World Organized by Shivaji College, University of Delhi.
9. **2014** Neurodegenerative Disorder: Molecular mechanism of Alzheimer’s Understanding the mechanism and challenges of complex diseases (UMCCD-2014).
10. **2014** Workshop for Laboratory Assistants – Attendants in Chemical and Life Sciences.
11. **2014** International Conference on Life Sciences, Informatics, Food and environment. At Jaypee Institute of Information & Technology, Noida for the research paper titled” Microbial Fuel Cell: Harnessing green energy from Yamuna water).
12. **2014** International Conference 'Epicon-2014, Oct 30-Nov. Khalsa college, University of Delhi
13. **2014** 1st International Conference on Emerging Trends of Nanotechnology in Drug Discovery.
14. **2016** 2nd International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016) Organized by Krishi Sanskriti on 21st May, 2016 at Jawaharlal Nehru University
15. **2016** International Conference on Public Health: Issues, Challenges, Opportunities, Prevention, Awareness (Public Health: 2016) Organized by Daulat Ram College & Krishi Sanskriti on 15th -16th January, 2016 at Daulat Ram College, University of Delhi, Delhi
16. **2017** INSCR International Conference 2017 on “Role of Microbe-Plant-Animal Interactions in Human Health” from September 26-28, 2017 Organized by University of Delhi
17. **2017** International Conference on “Role of Arts, Culture, Humanities, Religion, Education, ethics, Philosophy, Spirituality & Science for Holistic Societal Development” Organized by Krishi Sanskriti Publications on 19th March, 2017 at Jawaharlal Nehru University
18. **2017** 4th International Conference on Science and Arts of Holistic Health: Issues, Challenges, Opportunities, Prevention, Awareness (Holistic Health: 2017) Organized by Krishi Sanskriti on 25th February, 2017 at Jawaharlal Nehru University

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

Supervising : Ms. Viniti Nagar enrolment No. 01016391016 as Full Time research scholar in USEM on Topic “selection of apt microbial conglomerate of autochthonous bacteria for the municipal sewage” w.e.f. I 1.08.2017 registered with GGS IP University, New Delhi.

Co-supervised **Ph.D student** Mr. Amrik Bhattacharya (328/Ph.D/USEM/08) on Topic “Bioremediation of Phenolics and heavy Metals using micro organisms”, registered with GGS IP University, New Delhi.

Awards and Distinctions

1. 2017 Received “**Bharat Vikas award**” Towards working on ‘Bioremediation ‘ by Institute of Reliance at Bhubeneswar .
2. 2016 Received “**Meritorious college lecturer award**” by Directorate of higher education, Govt. of NCT, Delhi
3. **2016** Received “**Certificate of appreciation**” for project titled “Lifestyle disorders: Etiology, Awareness & Management” for being selected for research display at the Convention Centre, by University of Delhi on November 19th, 2016. [SEP]
4. **2016** Received certificate for project with “**Most Significant Societal Impact**” at the Research Display at the Convention Centre, , on November 19th , 2016. [SEP]
5. **2014** Best Poster presentation on "Epilepsy" at EPICON, the International conference (IC) on Epilepsy organized by SGTB Khalsa College, DU
6. **2014** Best Paper presentation “Microbial Fuel Cell: Harnessing Bioenergy from Yamuna Water” IC-LIFE, organized by Jaypee Institute of Information & Technology, Noida
7. **2015** Awarded Best Display under the theme “Environment” in Antardhwani, DU Innovation plaza.
8. **2009** Erasmus Mundus (E.U) Scholarship for Academic Exchange Program, Department of Biology, Norwegian University of Science and Technology, Trondheim, Norway.

Memberships

- Member of Editorial Board in Journal of Biotechnology and Crop Sciences.
- Member of Editorial Board in Biotech express.
- Member of Society for Biological Chemistry.
- Member of Proteomic Society of India, Indian Association of Science Congress.
- Counselor for Society of Crop Scientists & Biotechnologists, BHU.

Other Academic Activities

Events organized as Convener/Co-convener:

1. Workshop for Laboratory Assistants – Attendants in Chemical and Life Sciences on July 16 -18, 2014
 2. DBT-DST-ICMR-CSIR sponsored **National Workshop on "RNAomics: Isolation to Interference"** in collaboration with Roche, Medox and TCGA from 25th-29th October, 2010.
 3. Satellite meeting on **"Disaster Risk Reduction: Role of Higher Education"** in **International conference** on Science, Spirituality and Humanity: Transcending Discipline Barriers in collaboration with NIDM, Ministry of Home Affairs on February 18, 2011.
 4. Science at the service of Humanity in **International conference** on **Science Spirituality and Humanity: Transcending Discipline Barriers** in collaboration with NIDM, Ministry of Home Affairs from February 17-19, 2011.
 5. **First WDC International conference on "Empowerment of Women in the Developing World"** organized by Women Development Cell, Shivaji College, University of Delhi in collaboration with WSDC, University of Delhi and NIDM, Ministry of Home Affairs, Govt. of India from April 01-02, 2013.
 6. Organized various health camps in the premises of Shivaji College as Project Investigator of SHC-311
-
1. Subject Expert For Joint Assessment Committee of GGS IP University affiliated Medical Colleges
 2. Vardhaman Mahavir Medical College, Safdarjung Hospital: Subject expert for Joint assessment committee on 9.5.2016
 3. Army Medical College of Medical science: Subject expert for Joint assessment committee on 16.5.2016
 4. NDMC Medical college, Hindu Rao hospital: Subject expert for Joint assessment committee on 16.5.2016

5. Dr. B.S.A Hospital: Subject expert for Joint assessment committee on 6.6.2016

Cultural/Extracurricular Activities

I am a great golf enthusiast and some of the awards I have received include:

1. Runners up Trophy-2017 in Cavalry Golf Association tournament
2. Winner in North End Golf Tournament Championship-2014, held at the Qutub Golf Course, New Delhi
3. IMT Open Golf Championship (Best Gross Score) 2010.
4. IMT Open Golf Championship (Longest Drive) 2010.

Darshan Malik