


Faculty Profile

Title	Dr.	First Name	Payal	Last Name	Mago	Photograph
Designation	Principal					
Address	Flat No. 71, Plot No. 49, Navyug Apartments, Sector-IX, Rohini, Delhi-110085					
Phone No Office	011-22623503, 011-22623505					
Residence						
Mobile						
Email	principal@rajguru.du.ac.in, payal500@hotmail.com					
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Bachelor of Science (Honors) B.Sc.(H)	Miranda House (Delhi University)				1987	
Master of Science (M.Sc.)	Miranda House (Delhi University)				1989	
Master in Philosophy (M. Phil.)	Delhi University				1990	
Doctorate in Philosophy, Ph.D.	Delhi University				1995	
Career Profile						
<ul style="list-style-type: none"> • Shivaji College University of Delhi, Assistant Professor in Botany from 16.8.1995 to 21.12. 1995 • Sri Aurobindo College University of Delhi, Assistant Professor in Botany from 22.12 1996 to 16.8.2007 • Sri Aurobindo College University of Delhi, Associate Professor in Botany from 16.8.2007 to 10.3.2015 • Shaheed Rajguru College of Applied Sciences for women, University Of Delhi, PRINCIPAL from 11.3.2015 onwards. 						
Administrative Assignments						
<ul style="list-style-type: none"> • Principal, Shaheed Rajguru College of applied sciences for women (University of Delhi) • Joint Dean academic affairs and projects. (University of Delhi) 						
Other Responsibilities						
<ul style="list-style-type: none"> • Visitors nominee: Central University of Sikkim • Visitors nominee: Haryana Central University • Member standing committee (Ministry of human resource development) to go into the working of women studies reconstituted by Government of India on 5th Dec. 2014 • Member Committee for the purpose of control and supervision of experiments on animals (CPCSEA) Ministry of Environment and Forest and climate Change Government of India. 						

Areas of Interest / Specialization
Broad Area-Botany Specialization-Mycorrhizae with respect to productivity, Bioremediation and Exotic Plant Invasion
Subjects Taught
<ul style="list-style-type: none"> • Botany • Intellectual Property Rights • Environmental Studies
Research Guidance
<p>List of Research students</p> <ol style="list-style-type: none"> 1. Kavita Dowari Registration numbers: 6MBO12400001 Title of dissertation :Agromicrobes for Sustainable Agriculture 2. Lata Singh Registration numbers :6MBO12400004 Title of dissertation : AM fungi in Roots of Some essential Oil Yielding Plants of Family Lamiaceae 3. Ashok Kumar Registration Numbers 6MBO12400007 Title of dissertation : Environmental Impact of Toxins Produced by Leather Business in Kanpur 4. Manisha Rajlani Registration Numbers 6MBO12400008 Title of dissertation : Effect of Global Warming On Cash Crops of Family Graminae 5. Sunita Singh Registration Numbers 6MBO12400010 Title of dissertation : Ecological and Economical Aspects of Invasive Plants 6. Sonali Banerjee Registration Numbers 6MBT12400016 Title of dissertation : Applications of Transgenic Plants and Microbe. 7. Ritu Kansal Registration Numbers 6MMB12400001 Title of dissertation:Isolation and identification of Bacteria wound infection and their antibiotic sensitivity pattern.

8. Seema Sharma
Registration Numbers A6M1280022
Title of dissertation: Transgenic Plants with Enhanced Tolerance Against Viral Pathogens
9. Manju Azad
Registration Numbers A6M1280016
Title of dissertation :Biotechnology and Phytoremediation

Publications Profile

PAPERS IN REFERRED JOURNALS

1. **Mago, Payal,** Agnes, C.A.,Mukherji, K.G. 1992._VA Mycorrhizal status of some Indian Bryophytes. **Phytomorphology**, 42(3&4) 331-239
2. **Mago, Payal,** Pasricha, p.,Mukherji, K.G. 1993. Survey of Vesicular Arbuscular Mycorrhizal fungi in scale leaves of modified stem. **Phytomorphology**, 43(1&2)81-85
3. **Mago, Payal,** Mukherji, K.G.,1994. Vesicular Arbuscular Mycorrhizae in Lamiaceae-I Seasonal Variation in some members of the family Lamiaceae. **Phytomorphology**. 44(1&2)83-88
4. Gunwal I, Sharma K.C., **Mago, Payal.** 2014. Phytoremediation of cadmium from contaminated soil by *Vetiveria*. **International Journal of Scientific Research. zizanoides.L Vol 3/issue/3/pp16-19**
5. Gunwal I, Sharma K.C., **Mago, Payal.** 2014. Spore Density and Root Colonization by Arbuscular Mycorrhizal Fungi in Heavy Metal Contaminated soil. **IOSR Journal of Pharmacy and Biological Science. Vol.9/issue3/pp1-5**
6. Gunwal I,**Mago, Payal,** Singh, L., Awasthi, D. 2014. Monthly Variation in Percent Colonization and spore number in *Ocimum sanctum and Mentha arvensis*. **International Journal of Scientific and Engineering Research. Vol5/issue 6/785- 789**
7. Sirohi, Saru., **Mago, Payal.,** Gunwal I, Singh, L.,2014. Genetic pollution and Biodiversity. **International journal of recent Scientific research. Vol5/issue6/pp1152-1155**
8. **Mago, Payal.,** Gunwal Isha., Singh, L., Awasthi D.,2014. Commercial Production of Oyster mushroom. **IOSR Journal of environmental science, Toxicology & Food technology. Vol8/issue6/Pp 04-09**
9. Gunwal, I., Singh, L.,**Mago, Payal.** 2014. Comparison of phytoremediation of cadmium and Nickel from contaminated soil by *Vetiveria zizanoides L*. **International journal of scientific**

and research Publications. Vol 4/ issue10/pp 1-7

10. Singh, L., **Mago, Payal,** Kaushik, V., Gunwal, I., 2014. Essential Oil Yielding Plants Found to be Heavily Colonized by AM Fungi. **International Journal of Basic and Applied science.** Vol 1/No.2./pp44-47
11. **Mago, Payal.** 2014. Survey of AM Fungal Colonization in Mentha viridis. **International Journal of Basic and Applied science**
12. Singh, L., Kaushik, V., **Mago, Payal,** Gunwal I., 2014. Analysis and Quantification of Spread of Arbuscular Mycorrhizal Infection in Root of Vetiveria Zizanioides. **International Journal of scientific research and review.**3(3), 114-128
13. Singh L.,**Mago, Payal,** Kaushik, V., Gunwal , I., 2014. Correlation of spore count and root colonization by Arbuscular mycorrhizal Fungi in Nickel contaminated soils. **ISCA-IRJBS** 200 27-08
14. Singh, L., **Mago Payal,** Kaushik, V., Gunwal I., 2014. A. M. Colonization in Mentha arvensis. **International Journal of Basic and Applied Biology.** Vol2 No. 1 pp.78-82
15. Singh. L., **Mago Payal.,** kaushik, V., Gunwal I., Percentage colonization Roots and AM Fungal Spore Number In Rhizosphere Soil of Mentha Spicata at 15 days intervals. **International Journal of Basic and Applied Biology.** Vol 2 no. 1 pp73-77.

BOOKS

1. Mago, Payal. 2012. Biowaste Management Through Commercial Production Of Oyster Mushroom. VL Media solution, India ISBN 978-93-80820-41-5
2. Mago, Payal. 2013. Environmental Impact assessment of Tanning industries. VL Media solution India. ISBN 978-93-80820-68-2
3. Mago, Payal. 2013. Manifestation of Arbuscular Mycorrhizal Fungi in Lamiaceae. VL Media solution India. ISBN: 978-93-80820-67-5
4. Mago, Payal. 2014. Biotechnological Advances for Production of Fungal Pathogen Resistant Plants. Anuradha Publications India, ISBN: 978-93-82339-73-1
5. Mago, Payal. 2014. Climate Change Effects and Impact on Agriculture. Anuradha Publications India. ISBN: 978-93-82339-72-4.
6. Mago, Payal. 2014. Intellectual property rights Fundamental Features and its Global dimensions. Anuradha Publications India. ISBN :978-93-82339-74-8
7. Mago, Payal. 2014. Biotechnological Aspects of Phytoremediation. Anuradha Publications

India. ISBN: 978-93-82339-71-7.

8. Mago, Payal. 2014. *Vetiveria zizanioides* for Phytoremediation of heavy Metal Polluted Soils. VL Media solution. ISBN: [978-93-80820-82-8](#)

CHAPTERS, EDITED WORK, ARTICLES ETC.

1. Mago, Payal. 1990. Sidrophores; Their possible role in biocontrol of plant pathogens. Botanica published by Delhi University Botanical society INDIA. Vol40/pp78-40
2. Mago, Payal. 1993. UNESCO Newsletter Vam as effective Biofertilizer for Mints. Botany 2000 Asia Newsletter. Pp4
3. Mago, Payal. 1996. VAM in two Crucifers. Eucarpia Cruciferae Newsletter INRA Rennes France. 18: 116-117
4. Mago, Payal. 2004. Future of Biotechnology in India. Manthan Vision 2020. (XXV) 58-61
5. Mago, Payal. 2011. World wide Acceptance of Agnihotra as Environment Purifier. Sewa Sadhna. pp49-52
6. Mago, Payal. 1999. Mycorrhizal technology in agriculture and forestry. In “Agromicrobes” Eds. M.N. Jha. pp 133 – 149
7. Mago, Payal. 2005. Biodiversity and Intellectual Property Rights. In “Prospectives in plant Ecology and environment biology” eds. Dr.Pritpal Singh. pp135-168.
8. Mago, Payal. 2003. VAM in two crucifers. Compendium of Mycorrhizal Research (2 Vols-Set) K G Mukherji and B P Chamola Published by APH.

Conference Organization/ Presentations (in the last three years)

1. **VAM in Relation to Productivity In *Mentha arvensis*.** All India Consultative Meet On Medicinal And Aromatic Plants. Farmers Development Agency. Bangalore
2. **Agro-Waste Management by edible mushroom production. International Conference on Agriculture, Food, & Environmental Technology for sustainable global development.** Krishi sanskriti JNU
3. **AMF Colonization in *Mentha arvensis*.** International conference on Agriculture, Forestry, Horticulture, Aquaculture, Animal Science, Food Technology, Biodiversity and Climate Change-Sustainable Approach.
4. **Crop Productivity and Climate change.** International conference on Agriculture Food

Technologies and Environment-New Approaches. JNU

5. **Essential oil yielding aromatic plants found to be heavily colonized by AMF.** Innovative Trends in Applied Physical, Chemical, Mathematical, Statistical Science and Emerging, Energy Technology for sustainable development. Social welfare Foundation Delhi.
6. **Percent colonization roots and AMF spore no. in rhizosphere soil of *Mentha spicata* at 15 day interval.** International meet on Agriculture, Forestry, Horticulture, Aquaculture, Animal Science, Food Technology, Biodiversity and Climate Change-Sustainable Approach. JNU
7. **Survey of AM colonization in *Mentha Viridis*.** International conference on Innovative Trends in Applied Physical, Chemical, Mathematical, Statistical Science and Emerging, Energy Technology for sustainable development. Social Welfare Foundation. Delhi
8. **Sustainable agriculture using Bifertilizers.** International conference on Various Facets of energy technologies and its management for sustainable development. JNU

Research Projects (Major Grants/Research Collaboration)

Project Code: SRCAS-308

Title: Design synthesis and evaluation of antidiabetic activity of substituted alkyl carboxylic acid derivatives as GPR 40 agonists

Period: Nov 2015 to Nov 2016

Amount: 7.5 lakhs

Awards and Distinctions

1. Ist division in exam conducted by 'Gandhi Darshan, Rajghat' on Gandhian thought. 1981
2. Ist in inter college 'Vama' debate organized by Indraprastha College DU. 1985
3. Second in elocution in SRCC's all India cultural festival. 1985.
4. 2nd in inter college Declamation contest held at Shivaji College DU. 1985
5. Best speaker in B.M Johri paper presentation contest organized by Delhi University botanical society. 1989
6. Qualified Graduate Aptitude Test in Engineering with roll no. XB23384. The subject taken was agriculture. 1991
7. An exhibit entitled 'Hydro distillation apparatus of oil extraction' was displayed at the zonal level science exhibition. 1992.

8. Recipient of UGC CAS junior research fellowship (JRF) and senior research fellowship(SRF) form 1991 to 1995.

Association With Professional Bodies

1. Founder member of Society for professional and academic excellence
2. Member of NGO Anumantra working in the field of Agnihotra and environment.
3. Member Women Study Center Calcutta University Osmania University, Kurukshetra university, DAV college Yamuna Nagar Haryana, Thiagarajar College Madurai

Other Activities

4. Involved in campaign against female feticide with various social organizations.
5. Delivered a 1hr 30 min. lecture on swami Vivekanada on his 150 birth centenary in Madhya Pradesh in 2012.
6. Was part of the core committee of VC conference held in Delhi in Jan 2013 organized by Vivekananda International foundation, Delhi.
7. Participated in workshop entitled “development of online quizzes in life science at ILLL 2009.
8. Associated with enactus and society for child development as training consultant for imparting technique regarding mushroom cultivation to disabled children.
9. Delivered talks on Gender sensitization and Gender issues in Calcutta University,
10. Osmania University, Kurukshetra University, DAV college Yamuna Nagar Haryana, Thiagarajar College Madurai.

Signature of Faculty Member