

FACULTY PROFILE

1. Name : Dr. Shobha Jagannath
2. Designation : Professor and Chairperson
3. Qualification : M. Sc., Ph. D.
4. Area of specialization : Embryology, Genetics, Molecular Biology, Environmental Biology
5. Awards/Recognitions : NIL
6. Number of Projects : One
7. Completed : One



Sl. No.	Title of the project	Funding Agency	Amount	Year (From-To)
1	Pollen as Indicators of Vehicular Pollution	University of Mysore	Rs.90,000.00	2006-08

- ii. On-going : NIL

Sl. No.	Title of the project	Funding Agency	Amount	Date of Commencement	Expected date of completion

Awards/Recognitions

- Awarded Best Research Paper (Oral) at the 2nd National Women's Science Congress 7-9 November, 2009, Mysore
- Awarded Best research Paper (Poster) at International conference on Challenges to Biodiversity and Environment for sustainable development, JSTI Mysore March 12-13

7. Number of Ph.D. candidates successfully completed : Five
8. Number of Ph.D. candidates currently working : Six

9. Number of M.Phil. candidates successfully completed : Five
 10. Number of M.Phil. candidates currently working : NIL

11. Publications:

i) Books: NIL

Sl. No.	Author/s	Title	Publisher	Year of publication	Page No.

ii) Articles in Journals:

Sl. No.	Title of the article	Journal	Year/Month
1	Embryogenesis in <i>Jansenella griffithiana</i> (C.Muell.) Bor	Curr. Sci. : 55 :573-574.	1986
2	Life history of <i>Jansenella griffithiana</i>	Acta Botanica Indica 15:316-318	1987
3	Embryology of <i>Acroceros munroanum</i> (Balansa) Henr.	J. Mysore Univ. 32 :523-531.	1993
4	Occurrence of three styles in <i>Pennisetum pedicellatum</i>	J. Mysore Univ. 34 : 104-106. (Platinum jubilee special issue).	1995-96
5	Embryology of an endangered grass <i>Limnopoia meeboldii</i> (Fischer) Hubb.	J. Mysore Univ. 34 : 1-11 (Platinum jubilee special issue).	1995-96
6	Embryogenesis in <i>Pennisetum pedicellatum</i> Trin. (Poaceae)	Taiwania 45 (2): 158-166	2000
7	Impact of automobile exhaust on ambient air quality in Mysore city - an evaluation	Asian J. Microbiol. Biotech. and Environ. Sci. 5 (2): 169-171.	2003
8	Cytotoxic effect of distillery effluent on somatic cells of <i>Allium cepa</i> L.	Poll.Res. 23 (2):303-305	2004
9	Air pollution effects on pigment content of two avenue trees in Mysore city	Poll.Res. 23 (2):307-309	2004
10	Ambient air quality in Mysore city: A study with reference to vehicular exhaust	Poll.Res. 23 (1):173-177	2004
11	Effect of distillery effluent on seed germination and early seedling growth of Finger Millet	J. Industrial Poll. Contrl. 22 (2): 353-356.	2006
12	Analysis of ambient air in Mysore city using air quality Index method	J. Ecotoxicol. Environ. Monit. 16 (4): 307-310	2006
13	Effect of distillery effluent on seed germination, seedling growth and root meristem cells of <i>Vigna radiata</i>	J. Ecotoxicol. Environ. Monit. 16 (4): 341-345	2006
14	Monitoring of herbicide (butachlor) toxicity using pollen germination as pollution indicator	Asian. J. Microbiol. Biotechnol. and Envl. Sci 9 (3): 493-500	2007

15	Air quality Index centered analysis of Ambient air in Mysore city	Pollution Research 28 (3) ;443-455	2009
16	Metabolic changes during early growth of chickpea affected by Imazethapyr (Pursuit)	Pollution research 29 (4):671-676	2010
17.	Effect of distillery effluent on biochemical constituents of <i>Vigna unguiculata</i> L.Walp.	Pollution Research 30(3): 409-411	2011
18.	Effect of herbicide Imazethapyr pursuit) on chick pea seed germination	Archives of Phytopathology and Plant protection 44 (2):224-230	2011
19	Phytotoxic effect of Oxadiargyl on germination and early growth of sunflower(<i>Helianthus annuus</i> L.) and maize (<i>Zea mays</i> L.)	Archives of Phytopathology and Plant protection 44 (1):1901-07	2011
20	Cytogenetic and biochemical effect of imazethapyr in wheat (<i>Triticum durum</i>)	Turkish J. Biol. 35 :663-670	2011
21	Response of <i>Vigna radiata</i> and <i>Vigna unguiculata</i> seedlings to distillery effluent	Nature Environ. Poll.Tech 10 (4): 563-566	2011
22	Treatment of Sugar industry wastewater using seeds of <i>Zea mays</i> L. and <i>Tamarindus indica</i> L. as natural coagulants	Carmelight 8 (1):61-70	2011
23	Cytological studies on the effect of a herbicide, oxadiargyl on root meristem cells of sunflower <i>Helianthus annuus. L</i>	Nature Environ. and Poll. Tech. 11 (3):511-514,	2012
24	Physiological behavior of few cultivars of paddy (<i>Oryza sativa</i> .L) during seed growth and early growth subjecting to distillery effluent stress	Intl. Res. Jour. Biological Sci. 2 (9): 1-6,	2013
25	Oxidative stress and antioxidant metabolic enzymes response to few cultivars of paddy seedlings to distillery effluent application	Invent rapid: Ethnopharmacology vol.2013 (2) :1-5 18/3/2013,	2013
26	Coagulation efficiency of <i>Mangifera indica</i> Linn. In comparison with Alum and <i>Moringa oleifera</i> Lam.	Jour. Biosciences and Informatics 4 (3):240-252	2013
27	Application of plant based coagulant for sugar industry wastewater treatment	Carmelight: 10 (1):36-45	2013
28	Phytotoxic effect of butachlor 50EC on early seed growth and biochemical	Intl.Jour.Adv.life Sci. 6 (5): 425-433	2013

	parameters of <i>Triticum aestivum</i> L.		
29	Efficacy of distillery effluent on seed germination and biochemical parameters of chickpea (<i>Cicer arietinum</i> L.)	Intl. J. Sci. Environ. and Tech.3(4):, 1393-1401	2014
30	<i>Isolation and Identification of</i> Airborne microflora in traffic intersection of Mysore city	Intl. J. Advanced Life Science 7(3):, 435-437	2014
31	Evaluation of antibacterial potentialities of <i>Terminalia arjuna</i> wight and arn leaf galls: an ethnomedicinal plant.	Biolife 2(4): 1380- 1386	2014.
32	Airborne microorganisms at different locations of Mysore city	Int. Jour. Sci. Environ. Tech 3(4):1571157	2014
33	Air pollution induced changes on micromorphological and biochemical parameters of two plants species: <i>Santalum album</i> L. and <i>Ficus religiosa</i> L.	Int. Jour. Pharma. res and devp. 6(9): 8-12	2014.
34	Allelopathic efficacy of <i>Zingiber officinale</i> Rosc. aqueous leaf, stem and rhizome extract on biochemical parameters of <i>Zea may</i>	1. Res.Plant Biol. 5(1): 9-15	2015.
35	Clastogenicity Of sugar factory effluent using <i>Allium</i> assay.	Res Plant biol. 5(6):1-8	2015
36	Cytological effects of herbicide Butachlor 50 EC on somatic cells of <i>Triticum aestivum</i> L.	Jour. App. Biol. & Biotech.3(2) 30-34	2015
37	Herbicide induced alterations in physiological responses to the maize (<i>Zea mays</i> .L) seedlings	. World Res. Jour. Agric. Biotech. 4(1): 053-59	2015.
38	Assessment of herbicide alachlor impact on seed germination and seedling related traits of soyabean (JS-9305, DSB-21, and JS-335) seedlings.	Intl. J. Agric.Sci.and res.5(5): 109-116	2015.
39	Seed germination and morphological behavior of Maize (NAC-6002, NAC 6004 and NAH-2049) seedlings abiotic stress (Alachlor conditions	Intl. J. Life SCI 9(4): 10-15	2015.
40	Efficacy of <i>Azadiractha indica</i> leaf , stem and bark extracts on seedling related traits of <i>Phaseolus vulgaris</i> L.	Biolife 3(1): 7-11	2015.

41	Allelopathic influence of <i>Azadirachta indica</i> leaf stem and bark extracts on physiological responses <i>Phaseolus vulgaris</i> L.	Intl.J. adv.res. 3 (7): 1206-1212	2015.
42	Establishment of long term proliferating shoot cultures of <i>Commelina benghalensis</i> L. – A medicinal plant.	IJPCBS 5 (3): 599-603	2015.
43	An efficient in vitro regeneration of multiple shoots from leaf explants of <i>Passiflora cerulea</i> L. an important medicinal plant	Int. Jour. Recent Sci. Res. 6 (11): 7263-7265	2015.
44	Influence of <i>Argemone mexicana</i> L. leaf and stem extracts on germination, early seedling growth and biochemical parameters of <i>Cicer arietinum</i> . L	Intl. J. adv. Life Sci. 9 (1):	2016.
45	Evaluation of allelopathic influence of <i>Parthenium hysterophorus</i> L. plant parts on biochemical response of <i>Phaseolus vulgari</i> . L	Intl. J. Recent. Sci. Res. 7 (1): 8193-8197. Jan	2016.
46	Impact of distillery spentwash on nutrient uptake of <i>Vigna radiata</i>	Poll.Res. 35 (1):141-147	2016 .

iii) Papers in conference/Seminar/Proceedings

Sl. No	Title of the Paper	Title of conference/seminar/volume	Year of publication	Publisher
1.	Monitoring of hazardous wastes from pharmaceutical industry using Bioindicators - A case study	Proceedings of National Conference on Industry and Environment Dec. 28-30, Karad, pp. 502. 506.	1999	
2.	Pollen as indicators of vehicular pollution	2nd National Women Science Congress 7-9 Nov, AIISH ,Mysore	2009 /Nov	
3.	Air pollution effects on chlorophyll content of <i>Azadirachta indica</i> A. Juss	2nd National Women's Science congress, AIISH, 7-9, Mysore	2009 Nov	

iv) Paper as a part of book: NIL

Sl.No	Title of the Paper	Title of the Book	Publisher	Year of publication	Page No.
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v) Monographs/Reports (if any) : NIL

12. Conference /Seminar organized:

Sl.No.	Status as Organizer	Title of Conference/Seminar	Date

13. Conference/Seminar chaired: NIL

Sl.No.	Title of the Seminar	Organized by	Date

14. Conference/Seminar Participated:

Sl. No.	Title	Organized by	Year/ Month	Only Participated	Participated and presented the paper
1	Megasporogenesis in <i>Jansenella griffithiana</i> (C.Muell.)Bor	Indian Science Congress New Delhi	1986/ Jan		Yes
2	Synergid embryo in <i>Pennisetum pedicellatum</i>	Indian Science Congress, Bangalore	1978/ Jan		Yes
3	Study of epidermal features with reference to air pollution in <i>Samanea saman</i> (Jacq.) Merril.	Asian Congress of Mycology and Plant Pathology, Mysore	2002/ Oct		Yes
4	Responses of <i>Samanea saman</i> and <i>Delonix regia</i> to urban air pollution	Proc. Of 90 th Indian Science Congress, Bangalore p102	2003/ Jan		Yes
5	Pollution effects of distillery effluent on seed germination and early seedling growth in three varieties of finger millet (<i>Eleusine coracana</i> L. Gaertn.)	Proc. Of 90 th Indian Science Congress, Bangalore	2003/ Jan		Yes
6	Vehicular emission and ambient air quality in Mysore	National Seminar on environmental hazards priorities and protection in the 21 st century	2001/ March		Yes
7	Impact of paper factory effluent on seed germination , early growth and chlorophyll content of 2 varieties of Rice cultivars (<i>Oryza sativa</i> .L)	National seminar on Environmental Pollution and control, Belgaum	2001/ Nov		Yes
8	Impact of automobile exhaust on ambient air quality in Mysore city	International conference of SAARC countries on Biotechnology, Agriculture ,	2001/ Dec		Yes

		Industry and Environment , Karad			
9	Biological monitoring tools for recycling hazardous effluents	6 th world Congress on Integrated Resources Management, Geneva	2002/ Feb		Yes
10	Urban air quality management-Avenue trees as reliable bioindicators	IOBB Ist International Conference on Technologies and strategic management of sustainable biosystems, Perth	2008/ July		Yes
11	Cytotoxic effect of Oxadiargyl on root tips of <i>Allium cepa</i>	National seminar on plant Biodiversity and Bioprospecting, Mysore	2009/ March		Yes
12	Cytotoxic effect of Parachlor on root meristem of germinating maize (<i>Zea mays</i> L.) seedlings cv.NAC-6004	XXII Annual Conference of National Environmental Science Academy, Jamia Hamdard Univ, N., Delhi	2009/ Dec		Yes
13	Effect of air pollution on <i>Azadirachta indica</i> A. Juss a medicinal plant	National Conference on emerging trends in medicinal plant research, Maharani's Science college for women, Bangalore	2009/ oct		Yes
14	Role of avenue trees in mitigation of urban air pollution: An investigation with reference to <i>Polyalthia longifolia</i> Hook F. Thomas	International Conference on Challenges to biodiversity and environment for sustainable development JSSTI , Mysore	2010/ Mar		Yes
15	Oxyfluoren toxicity on germination and early growth of and maize (<i>Zea mays</i> L.)	International Conference on Challenges to biodiversity and environment for sustainable development JSSTI, Mysore	2019 March		Yes
16	Effect of oxadiargyl on germination and early growth of sunflower (<i>Helianthus annuus</i> L.) and maize (<i>Zea mays</i> L.)	Dr. Norman Borlaug Commemoration National Conference on Plant diversity and plant health, Mysore	2010 March		Yes
17	Onion as a tool to monitor environmental pollution	4 th National Women's Science Congress, Ramaiah College Bangalore	2011 Nov		Yes
18	Assessment of urban air pollution impact on micromorphological and biochemical parameters of <i>Jatropha curcas</i> L. (Euphorbiaceae) and <i>Nerium oleander</i> L. (Apocynaceae)	103 rd Indian Science Congress, January 3 rd -7 th University of Mysore, Mysore-06	2016 Jan		

19	Evaluation of antibacterial potentialities of <i>Terminalia arjuna</i> wight and arn leaf gall:an ethnomedicinal plant	Microbes and Human welfare. March 23 rd and 24. Post graduate Department of Biotechnology, JSS College of Arts, Commerce and Science. Karnataka, India.	2016 March		Yes
20	Physiological Behaviour of Maize (NAC-6002) Seedlings under Abiotic Stress (Alachlor) Condition	One day National Conference during 29 th March Organized by AVK College for Women, Hassan	2016 March		Yes
21	An efficient <i>In vitro</i> callogenesis from various explants of <i>Passiflora vitifolia</i> Kunth. an important medicinal and ornamental plant	One day National Conference during 29 th March Organized by AVK College for Women, Hassan	2016 March		Yes
22	<i>In vitro</i> callogenesis and rhizogenesis from different explants of <i>Baliospermum montanum</i> (Willd.) Muell. Arg. an important threatened ethno medicinal plant	One day National Conference during 29 th March Organized by AVK College for Women, Hassan	2016 March		Yes
23	Genotoxic effects of textile industry effluent on somatic cells of <i>Allium cepa</i> L.	One day National Conference during 29 th March Organized by AVK College for Women, Hassan	2016 March		Yes
24	Evaluation of cytotoxic effects of pharmaceutical industry effluent on meristamatic cells of <i>Allium cepa</i> L.	One day National Conference during 29 th March Organized by AVK College for Women, Hassan	2016 March		Yes
25	Evaluation of Air pollution impact on	One day National Conference during 29 th March Organized by AVK College for Women,	2016 March		Yes

	micromorphological and biochemical response of <i>Tabernaemontana divaricata</i> L. and <i>Hamelia patens</i> Jacq.	Hassan. (Poster presentation).			
26	Cytotoxic efficacy of sugar factory effluent on root meristem of <i>Allium sativum</i>	Trends in Bioactive Natural Products and Health care. Organized by Department of Biochemistry, Post graduate center, Mangalore University, Chikkaluvara, Kodagu..	2017 Oct		Yes

15. Chairman/Member of Authority/Committee etc.

Sl. No	Chairman/Member /Secretary	Committee/Authority	Year(From-To)
1	Member	Faculty of Science d Technology, UOM	2005-2007 2013-2017
2	Chairman	Board of Examinations, UOM	2005-06 2009-10 2014-15
3	Course Co Ordinator	4 th Refresher Course In Life Sciences, Academic Staff College, Univ. of Mysore	5-1-06 to 25-1-06
4	Member	Board of Studies, UOM Board of Studies , Blore Univ (PG)	2009-10 2011-13
5	Member	Board of Examinations, UOM Board of Examinations, Gulbarga Univ BOE, Kuvempu Univ	2003-2017 2009-10 2010-11
6	Chairperson	DOS in Botany, UOM	19-3-2016 to Present

16. Membership to Professional Organization/Associations:

Sl.No.	Name of the Association/Organization	Life member/Ordinary member
1.	International Society of Environmental botanist-ISEB	Life member
2,	Indian Science Congress Association-ISCA	Life member

17. Any other Information:

Have taken classes for MSc Genetics, University of Mysore , Mysore from 2005-2010

Dr. Shobha Jagannath
Signature