


Faculty Detail Performa (2017- 2021)

Name of Faculty

Name	Dr. PADMSHREE MUDGAL	
Designation	Professor	
Phone No	9310024869	
Email	padmashree.m@gmail.com , pmudgal@dr.du.ac.in	

Educational Qualification

Degree	Institution	Year
B. Sc (Hons) Chemistry	Miranda House, University of Delhi	1982
M.Sc.	Post Grad. Inst. Med. Edu. & Res. Chandigarh	1984
Ph.D	Nat. Dairy Res. Inst. Karnal, Haryana	1989

Full Time Research Experience

Designation	Institute	Time period	Nature of Appointment

Full time Teaching Experience

s.no	Designation	Institution	Time Period	Nature of Appointment
1.	Joined as Lecturer	Daulat Ram College	Aug 1989 -1998	Permanent (joined Aug 1989)
2.	Reader Selection Grade	DRC	1998 - 2006	
3.	Assoc. Professor	DRC	2006 – 2020	
3	Professor	DRC	6 Nov. 2020- to date	

Administrative Assignments

Name of Institute	Designation	Status	Time period	Experience
DRC	Teacher In-charge		2018-19, 1921-22, 1922-23	
DRC	Convenor: Purchase Committee		1921-22	

Areas of Interest in Teaching:

Proteins, Hormone Biochemistry, Membrane Biology, Human Physiology, Molecular Biology

Subjects Taught

S.No	Course	Subject Taught	Semester	Year
1	B Sc.(Hons) Biochemistry	Hormone Biochemistry, Membrane Biology	Sem III	2017, 2018, 2019,2020,2021
2.	B Sc. Hons Botany and Zoology, Maths	Biochemical Correlations in Diseases	Sem III	2017, 2018,2021
3.	B Sc.(Hons) Biochemistry	Proteins	Sem II	2017, 2018, 2019,2020,2021
4.	B Sc. Hons Botany and Zoology, Maths	Proteins and enzymes (GE)	Sem II	2019,2020
5.	B Sc.(Hons) Biochemistry	Human Physiology	Sem IV	2017,2018, 2019,2020, 2021
6.	B Sc.(Hons) Biochemistry	Nutritional Biochemistry	SEM VI	2017
7.	B Sc.(Hons) Biochemistry	Plant Biochemistry	SEM VI	2021

Research Guidance

Name of student	Gen der	Deg ree for whi ch gui dan ce give n	Date of Regist ration	Supervisor /Cosupervi sor	University	Title of Thesis	Date of submi ssion of thesis	Dat e of Aw ard of De gre e
Ms Karamwati	Fem ale	M.S c. Bio che mist ry	July20 16	Supervisor : Dr. Padmshree Mudgal Co-supervi sor:Dr. Anurag Sharma , Amity university	Amity school of applied sciences, Amity University Haryana	“To study the effect of curcumin on angiogenesis in developing zebrafish embryos”	June -2018	201 8
Ms. Manisha	Fem ale	M.S c.	July 2016	Supervisor : Dr.	Amity school of	“To develop Zn induced	June 2018	201 8

		Bio che mist ry		Padmshree Mudgal Co-supervi sor: Dr. Debashree Ghosh, Amity university	applied sciences, Amity University Haryana	hepatotoxicity model in zebrafish embryo ”		
Ms Charu Mittal	Fem ale	M.S c. Bio che mist ry	July 2015	Supervisor : Dr. Padmshree Mudgal , Co-supervi sor: Dr. Debashree Ghosh, Amity university	Amity school of applied sciences, Amity University Haryana	“To study the metabolic impact of food emulsifiers in zebra fish developing embryos”	June 2017	201 7

Research Projects ongoing 2017-19

S.No	Name of Research Project	Funding Agency	National/Inter national	Duration	Amount Sanctioned	Amount Received
1.	Star Innovation Project: Evaluating the effects of common food additives on vertebrate development and organogenesis using zebrafish as a model system CIC, Delhi University. (2016-19)	CIC, Delhi University	National	2016-19 3yrs	(23lakhs).	(17lakhs) .

Research projects Completed 2017-21

S.No	Name of Research Project	Funding Agency	National /Internat ional	Duratio n	Amount Sanctioned	Amount Received
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1.	Star Innovation Project: Evaluating the effects of common food additives on vertebrate development and organogenesis using zebrafish as a model system CIC, Delhi University. (2016-19)	CIC, Delhi University	National	2016-19 3yrs	(23lakhs).	(17lakhs)
2.	Innovation Projects; University of Delhi: Zebra fish as a biosensor to assess Yamuna river water quality in Delhi NCT region. (DRC – 301).	University of Delhi.	National	2015-16 (1 year)	7.5 lakhs	7.5 lakhs
3.	Innovation Projects; University of Delhi: How safe are our Detergents: A comparative Study and development of Biodetergents. (DR-204).	University of Delhi	National	2013-15 (1 year)	5.5lakhs	5.5lakhs

Publications:

Books

S.No	Citation	Publisher	Date of publishing	Authored/Edited	ISBN No	Citations
1.	Wardhan R. and Mudgal P. (2018) Textbook of Membrane Biology.	Springer Singapore.	Jan. 2018	Co-authored	ISBN(E) : 978-981-10-7101-0 ISBN (P) : 978-981-10-7100-3	5

Book Chapters/Articles

S.No	Citation	Publisher	Date of publishing	Authored/Edited	ISBN No
Nil					

E- Modules

S.No	Citation	Publisher	Date of publishing	Authored/Edited	Link
Nil					

Research Publications:

International

S.No	Citation	Date of Publishing	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No	H-index	Citations
1.	Mudgal P., Bhasin C., Joshi A., Gupta R. Zebrafish: A Versatile Learning Tool. Resonance Nov 2021: 26(11): 1483-1601	Nov. 2021	0.21	Yes	Yes	09718044, 0973712X	13	
2.	Wardhan R, Mudgal P. Understanding the predisposing risk factors of young suicide. Int J Res Med Sci 2020; 8: 4530-7.	2020	RJIF 5.42, ICV 2019: 100.00		Index Medicus for South-East Asia Region (WHO) Scopus Med CrossRef Google Sc	Print ISSN: 2320-6071 Online ISSN: 2320-6012		
3.	Mudgal P, Wardhan R. The increased risk of elderly population in India in COVID-19 pandemic. Int J	2020	Global Impact Factor		Index Copernicus,	(ISSN (Online): 2249-9571)		

	Health Sci Res. 2020; 10(10):166-175.		r: 0.677		Google Scholar, Google			
4.	Gupta R, Ranjan S, Yadav A, Verma B, Malhotra K, Madan M, Chopra O, Jain S, Gupta S, Joshi A, Bhasin C, Mudgal P. (2019) Toxic Effects of Food Colorants Erythrosine and Tartrazine on Zebrafish Embryo Development. Curr Res Nutr Food Sci 2019; 7(3), 876-885 https://bit.ly/2OFNYLM	Dec. 2019	0.860	Yes	Yes	2347-467X	14	11
5.	Khetrapal M., Mudgal P., Lata V. (2017) Bio-detergent from <i>brassica juncea</i> (mustard) seed oil and study of its quality parameters & environmental indexes. In. J. App. Nat. Sci. 6(3), 35 - 40	Apr-May 2017	3.28	Yes	Yes	ISSN (P): 2319-4014; ISSN (E): 2319-4022	1	

National

s.no	Citation	Date of Publishing	Impact Factor	UGC Care List Journal Yes/No	Scopus Indexed Journal Yes/No	ISSN No
1. Nil						

Conference Proceedings publication Poster presentation abstracts:

S.no	Citation	Date of Publishing	Name of conference	Venue of conference	ISBN No

1.	Kaur M., Gupta R., Bhasin C., Joshi A. and Mudgal P. Study of anxiolytic activity of Ayurvedic drugs using zebrafish larval stress response assays.	Feb. 2020	International Conference on “Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases”	Shivaji College, Univ. of Delh	8190-1856-91
2.	Mall P., Saja A., Kathuria S., Bhasin C., Joshi A., Gupta R., MudgalP. To assess the impact of food additives on learning and memory in zebrafish model.				
3.	Gupta R., Kaur M., Joshi A., Bhasin C. and Mudgal P. Erythrosine induces oxidative damage in zebrafish.				

Conference Attended and Paper/ Poster presentation

s.no	Type of Event	Name of Event	Venue of conference	Date of conference	Attended	paper presented	No of Poster presented
1.	International Conference	International Conference on “Frontiers in Biochemistry and Biotechnology: Strategies to Combat Human Diseases”	Shivaji College, Univ. of Delhi	February 12-13, 2020	Yes		2
2.	International Conference	International E-Conference on “Recent Trends in Drug Discovery and Development” organized by the Department of	Department of Chemistry, under the aegis of IQAC, Maitreyi College,	8th and 9th October 2021	Yes		1

		Chemistry, under the aegis of IQAC, Maitreyi College, University of	University of Delhi				
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Resource Person (Conference/seminar/ workshop/training programme/ educational trips)

S.No	Type of Event	Name of Event	Venue	Date of Event	State your role: Convener/ Member organizing committee/ Speaker/ Coordinator	Duration of Activity	No of participant in the programme
1a.	Educational trip	Organized educational trip for IInd and III yr Biochemistry and Zoology (Hons) students to Forest Research Institute, and Regional Sericulture Research Station, Dehradun Uttarakhand	Dehradun	23 rd – 26 th March 2017	Organizer	4days	20 Biochemistry and Zoology (Hons)students.
1b.	Educational trip	A educational trip was organized for the IIIrd year Biochemistry (Hons) students to Hyderabad in the month of October 2017. The trip was funded by Star	Hyderabad	25 th – 30 th October 2017	organizer	6 days	20 students and faculty of Biochemistry (Hons)

		College project, DBT, Govt. of India. Students visited many prestigious Institutes in Hyderabad, which included, National Institute of Nutrition (NIN), Center for DNA Fingerprinting and Diagnostics (CDFD) and Laboratory for the Conservation of Endangered Species (LaCONES), Centre for Cellular and Molecular					
2.	Training workshop for science teaching faculty of Delhi University Colleges..	“ Zebrafish as an animal model system”	Zoology department, Daulat Ram College	15th – 17th March 2017	Co-Convener	3 days	25 teachers participated In the work shop
3.	Summer Internship Program for science undergraduate students	“ Zebra fish Model System”	Zebrafish facility, Daulat Ram College	1st-30th June 2018	Coordinator and Mentor	1 month	15 students

4.	Workshop	“ Zebra fish Model System”	Zebrafish facility, Daulat Ram College.	4th-9th July, 2018	Coordinator and Mentor	1 week	10 students
5.	INSPIRE Internship Science Camp	INSPIRE Internship Science Camp for school students	Daulat Ram College	17-21 st December, 2018	Coordinator and Mentor	5 days	150 students of 11th class from schools of Delhi NCR region
6.	Hands on training workshop for science teaching faculty of Delhi University Colleges.	“ Drosophila and Zebrafish model systems”	Zoology department, Daulat Ram College	28th -31st May, 2019	Co-convenor and Mentor	4 days	15 teachers
7.	Summer Internship Program for science undergraduate students of Delhi University	“ Zebra fish Model System”	Zebrafish facility, Daulat Ram College.	17 th June – 17 th July 2019	Coordinator and Mentor	1 month	15 students
8.	One day training program	“ Zebrafish Husbandry”	Zebrafish facility, Daulat Ram College	24th September, 2019.	Coordinator and Mentor	1 day	50 students of Zoology Hons. Khalsa College, University of Delhi
9.	Hands on training workshop	“Zebrafish model system”	Zebrafish facility, Daulat Ram College	17th Dec – 20th December 2019	Coordinator and Mentor	4 days.	15 students of Zoology (Hons) Ist year Daulat

							Ram College.
10.	Webinar talk	Zebrafish Model System	Organized by Department of Biochemistry, Shivaji College, University of Delhi (under the aegis of DBT sponsored Star College Scheme) on Zoom Meeting https://us02web.zoom.us/j/83281224416?pwd=dVhscVZGUWFQaXhlZjhNVGZieXlZZz09	May 8, 2020 03:00 PM India	Speaker	1.5 hrs talk	200 people joined the Webinar session
11	Webinar talk	Zebrafish model system	Gave a Guest Lecture 'Zebrafish Model System' at https://web.microsoftstream.com/video/41645c4e-f15a-4326-b33f-29e924559315 for BTech Biotechnology students of Amity Institute of Biotechnology	22 Oct, 2020	Speaker	1.5hrs talk	150 students and faculty attended
12	Webinar Talk on "Assessment of Health Impact of food	" 2nd Global summit on Food science and nutrition 2021" 29-30th of October in Vienna, Austria	" 2nd Global summit on Food science and nutrition 2021" 29-30th of October in Vienna,	29-30th of October 2021	Keynote speaker	1.5 hrs	More than 500

	colorants using Zebra fish model system”		Austria, online.				
13.	Webinar talk on "ZEBRA FISH MODEL SYSTEM: A TOOL FOR DRUG DISCOVERY	International E-Conference on “Recent Trends in Drug Discovery and Development”	International E-Conference on “Recent Trends in Drug Discovery and Development” organized by the Department of Chemistry, under the aegis of IQAC, Maitreyi College, University of Delhi	8th and 9th October 2021	Invited talk	1.5 hrs	>500
14.	Webinar talk on "Zebrafish - An ideal Model Organism for Human Research”	‘Skill Enhancement Workshop on Model Organism and Visual Experimentation - Zebrafish and JoVE’,	organized by CHRYSALIS, The Biological Science Society, Sri Venkateswara College, University of Delh	21st January, 2022	Invited talk	1.5 hrs	>500
15.	A Six -day online training workshop on animal models : ‘Learn and explore with Animal Models,.	A Six -day online training workshop on animal models on ‘Learn and explore with Animal Models,	Zebrafish Lab Facility, Daulat Ram College, University of Delhi under the aegis of IQAC,	3rd -8th January, 2022	Coordinator and Resource person	6 days	100

Awards Won

S.No	Name of Award	Awarding Agency	Government/ NGO/ International/Private	Recognition area	Date of award	Type of Honor received
1.	Shri Mahendranath Gupta Memorial prize	Awarded by, Daulat Ram College Society	Education Trust	For Exemplary performance & bringing laurels to College	2003	Co-recipient. Certificate and cash incentive.
2.	Best Innovative Idea	Delhi University	Government	awarded as PI of Innovation project DR-204	2015	Certificate
3.	Teaching Excellence Award for Innovation	Delhi University	Government	awarded as PI of Innovation project DRC-301	2015	Certificate
4.	Dr. Sarvepalli Radhakrishnan Best Teacher Award in Biochemistry	Center for professional advancement A Unit of IMRF Regd with Govt of India NITI Aayog NGO Darpan ESTD: U/S 35 of 2001, Govt of A.P, India HQ : Vijayawada, India	NGO	Teacher award in Biochemistry	5 th Sept, 2021	Certificate and memento

Extension Activity (Community related program)

S.No	Type of Activity	Centre and Venue	Title of Event	Role in the event	Date/period of Event	No of members of the community/students /Faculty benefitted
Nil						

Membership of Professional Bodies

S.No	Type of Membership	Organisation	Year of Membership
1.	Board of Research studies, Faculty of Inter disciplinary and Applied Sciences	Delhi University	2019-22
2.	Member course committee of New R syllabus of Biochemistry (Hons)	Delhi University	2018-2019
3.	Teaching Staff representative in Provident Fund committee.	Daulat Ram College	2014- Onwards