

BIODATA

1. Name and full correspondences address : Dr. Deepika Kumar Umesh
MBG-Section
CSRTI-Berhampore, CSB
Ministry of Textiles, GOI
Berhampore,
Murshidabad West
Bengal-742101
2. E-mail(s) and contact number(s) : deepikakumarumesh@gmail.com
7338014229
3. Institution : Central Sericultural Research & Training
Institute,
Berhampore
4. Date of Birth : 17.05.84
5. Gender (M/F/T) : F
6. Category (Gen/SC/ST/OBC) : Gen
7. Whether differently able (Yes/No) : No

8. Academic Qualification (Undergraduate onwards)

#	Degree	Year	Subject	University/ Institution	% of Marks
1.	B.Sc. Agriculture	2005-2009	All Agricultural subjects	UAS, Dharwad	I class
2.	M.Sc. Plant Physiology	2009-2011	Plant Physiology (Major), Molecular Biology & Biotech. (Minor)	IARI, New Delhi	I class
3.	Ph.D. Plant Physiology	2011-2017	Plant Physiology (Major), Molecular Biology & Biotech. (Minor 1), Microbiology (Minor 2)	IARI, New Delhi	I class

** Awarded in 1996. Completed work (except writing) before joining in CSB on 05.02.1992. Submitted the write up after joining in CSB with due permission.*

9. Ph.D thesis title, Guide's Name, Institution/Organization/University, Year of Award.

Title: Molecular analysis of jasmonic acid and polyamine synthesis and signaling under heat and drought stresses in rice.

Guide Name: Dr. Madan Pal Singh

Institute: Indian Agricultural Research Institute, New Delhi

Year of award: 2017

10. Work experience (in Chronological order)

#	Position held	Name of the Institute	From	To	Pay Scale
1.	Research Assistant (Grad. I)	Central Coffee Research Institute	Jan 2016	October 2018	9300-34800
2.	Scientist B	Central Sericultural Research & Training Institute, Berhampore	Nov. 2028	Till Date	56100-177500

11. Professional Recognition/Award/Prize/Certificate, Fellowship received by the applicant.

#	Name of Award	Awarding Agency	Year
1.	Merit Scholarship (Graduation)	National Talent Scholarship, GOI	2005 to 2009
2.	Merit Scholarship (PostGraduation)	IARI-PhD Scholarship	2009 to 2011
3.	Fellowship (Doctoral)	ICAR-SRF	2011 to 2015
4.	National Eligibility Test (NET)	ICAR-NET	2013

5.	Best PhD thesis	International Conference on Food & Agriculture, Endling	2018
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12. Publication(List of papers published in SCI Journals, in year wise descending order)

#	Author(s)	Title	Name of Journal	Volume	Page	Year
1	S Bandeppa, Sangeeta P, Jyoti KT, N Chandrashekar, Deepika KU , Chetna A& AD Asha (SCI: 1.12, NAAS ratings: 9.40)	Antioxidant, physiological & biochemical responses of drought susceptible & drought tolerant mustard (<i>Brassica Juncea</i> L.) genotypes to rhizobacterial inoculation under water deficit stress.	<i>Plant Physiology and Biochemistry</i>	143	19-28	2019
2	Deepika Kumar Umesh and Madan Pal (NAAS ratings: 5.21)	Differential role of jasmonic acid under heat and drought stress in rice (<i>Oryza sativa</i> L.).	<i>Journal of Pharmacognosy and Phytochemistry</i>	SP1	2626 - 2631	2018
3	Umesh Deepika Kr , Pal Madan, Shah Divya and Thomas Sini (NAAS ratings: 4.2)	Identifying veritable sources of heat tolerance in rice (<i>Oryza sativa</i> L.).	<i>International Journal of Agriculture Sciences</i>	8 (53)	2743 - 2746	2016
4	Ravi P. Saini, Deepika K. Umesh , Shivani Nagar and Anita Grover (NAAS ratings: 5.21)	Study of Expression Pattern of a Set of Defense Genes in Response to <i>Alternaria brassicae</i> Infection and Salicylic Acid and Jasmonic Acid Treatments in <i>Brassica juncea</i> .	<i>Chemical Science Review and letters</i>	4(13)	48-56	2015
5	S. Ramakrishnan, S. Nagar, D. K. Umesh , S. Kumar, B. Kumar And A. Arora (NAAS ratings: 3.94)	Genetic Variability and Diversity Studies in Wheat (<i>Triticum aestivum</i> L.).	<i>Trends in Biosciences</i>	8(1)	218-223	2015
6	Shivani Nagar, Ajay Arora, V. P. Singh, S. Ramakrishnan, Deepika. K. Umesh , Ravi P. Saini and Sailesh Kumar (NAAS ratings: 5.26)	Cytokinin Analogues on Cytokinin Metabolism and Stress Responsive Genes under Osmotic Stress in Wheat.	<i>The Bioscan</i>	10(1)	67-72	2015
7	Deepika K U , Shivani N, Sweta K, Ravi P S	Response of Wheat plants to different levels and forms of	<i>New Agriculturist</i>	26(1, 2)	1-12	2014

	and Gurumurthy S. (NAAS ratings: 4.26)	Nirogen.				
8	Deepika K. Umesh, Ravi P. Saini, Shivani Nagar, Shiv Ramakrishnan and Vanita Jain (NAAS ratings: 5.21)	Protein oxidation in response to Nitrogen stress in Wheat seedlings.	<i>Chemical Science Review and letters</i>	3(12)	1260 - 1266	2014
9	S. Nagar, S. Ramakrishnan, V. P. Singh, G. P. Singh, R. Dhakar, D. K. Umesh and Ajay Arora (NAAS ratings: 5.07)	Cytokinin enhanced biomass and yield in wheat by improving N-metabolism under water limited environment.	<i>Indian Journal of Plant Physiology</i>		DOI 10.1007/s40 502-014- 0134-3	2014

13. Detail of Patents:

#	Patent Title	Name of Applicant (s)	Patent No.	Award Date	Agency/Country	Status

14. Books/Reports/Chapters/General Articles etc.

#	Title	Author's Name	Publisher	Year of Publication
1.	C-2038: High yielding mulberry variety for Eastern & North East India (Pamphlet)	Suresh K., Debashish C., Yallappa H., Anil P., Deepika K.U. & Sivaprasad V.	CSRTI, Berhampore, CSB, GOI	2020
2.	Premature berry drop in coffee and remedial measures, Indian Coffee, April-May	Somasekhargouda P., DeepikaKr Umesh,	Coffee Board, GOI	2018
3.	Approaches to mitigate drought in coffee estates, Indian Coffee, Feb	Somasekhargouda P., DeepikaKr Umesh,	Coffee Board, GOI	2018
4.	Biodiversity and Crop Improvement, <i>Biological Diversity and Ecology</i> , Chapter-2, pg 12-42.	Gurumurthy S., Jagdish Singh, Deepika Kr. Umesh, Shivani Nagar, Senjam Jinus Singh, Anjan Kumar Sinha, Rocky Thokchom and Ningthoujam Supriya Devi	Discovery Publishing House PVT. LTD., New Delhi	2016
5.	My journey from tea to coffee, Patna Daily (e-Paper), section-Lifestyle, published 18.08. 2016	Deepika Kr. Umesh	Patna Daily (e-Paper)	2016
6	Organic Farming: A Way towards Sustainable	Shivani Nagar, DeepikaKr. Umesh Sweta Kachhap and Rajkumar Dhakar	<i>Popular Kheti</i> , 1(2): 55-57	2013

	Agriculture.			
7.	Plant RNA chaperones in stress responses.	Ravi Prakash Saini, Deepika Kr. Umesh , Shivani Nagar and Sweta Kachhap	Agrobios Newsletter, 12(9): 19-20	2013
8.	Role of microbes in mitigation of climate change.	Sweta Kachhap, Deepika Kr. Umesh , Shivani Nagar and Chandana Behera	Agrobios Newsletter, 12(10): 81-8	2013
9.	(2013). Environmental Informatics. Agrobios Newsletter.	Sweta Kachhap, Deepika Kr. Umesh and Shivani Nagar	Agrobios Newsletter, 13(3): 136-139.	2013
10.	Add some flowers to your life, section-Lifestyle, published 13.10. 2013	Deepika Kr. Umesh	Patna Daily (e-Paper)	2013
11.	Be happy if you have a drumstick tree in your garden, Patna Daily (e-Paper), section-Lifestyle, published on 13.10. 2013	Deepika Kr. Umesh	Patna Daily (e-Paper)	2013
12.	Jasmine Tea, section-Lifestyle, published on 12.10. 2013	Deepika Kr. Umesh	Patna Daily (e-Paper)	2013
13.	Mushroom: A very healthy vegetable, section-Lifestyle, published on 4.10.2013	Deepika Kr. Umesh	Patna Daily (e-Paper)	2013

15. Any other Information (Maximum 500 words):

International Exposure:				
Experience of working in internationally important Organization abroad	International Rice Research Institute	PhD Thesis Research Scholar	IRRI, Manila, Philippines	3 May- 7 July, 2012
Climate Counselor:				
Served as Climate Counselor for Green Revolution Global Certification Program (An initiative by International Centre for Culture & Education (ICCE) & supported by UNFCCC), Phase-II, 2015. Enrolled more than 50 college students under the program and created awareness among local people against use of plastic bags.				
Diploma:				
Diploma in Rural Development, Karnataka State Open University (KSOU), 2007				
Courses completed:				
Green Revolution, Global Certification Programme (ICCE-UNFCC)	New Delhi	2014		
Application of Remote Sensing & GIS for Natural Resources (IIRS-ISRO)	New Delhi	2015	Jan. 27	March 27