


RESUME

Name	SHEFALI POONIA	Photograph
Designation	ASSOCIATE PROFESSOR	
Department	BOTANY	
Address (Campus)	BOTANY DEPARTMENT, D.N. COLLEGE, MEERUT	
(Residential)	A – 4, ADARSH NAGAR, MEERUT	
Phone No. (Campus)	0121-2534818	
(Residence) Optional	0121-2664488	
Mobile	+91-9412837590	
Date of Birth	24-10-1976	
Email	shefalipoonia2410@gmail.com	
Web-Page	-	

Education

Subject	Institution	Year	Details
Ph.D. BOTANY	C.C.S. UNIVERSITY, MEERUT	2005	TOPIC: GROWTH AND DEVELOPMENT OF SOME LEGUMINOUS CROPS IN

			RESPONSE TO SULPHUR DIOXIDE EXPOSURE
P.G. BOTANY, specialization in PLANT BIOTECHNOLOGY	C.C.S. UNIVERSITY, MEERUT	2001	FIRST DIVISION

Career Profile

Organization/Institution	Designation	Duration	Role
D.N. COLLEGE, MEERUT	ASSISTANT PROFESSOR	2004 -2016	TEACHING & RESEARCH
	ASSOCIATE PROFESSOR	2016 Onwards	OTHER COLLEGE DUTIES
Research Interests / Specialization			
BOTANY	ECOPHYSIOLOGY	PHYSIOLOGY BIOCHEMISTRY ENVIRONMENTAL SCIENCE	-
Teaching Experience (Subject / Courses Taught)			
SIXTEEN YEARS	BOTANY	(UG): ALL COURSES	(PG): ELEMENTARY BIOTECHNOLOGY PTERIDO., GYMNO., FUNGI,

			PATHOLOGY, BIOSTATISTIC, PLANT TISSUE CULTURE. BIOLOGICAL TECHNIQUES, PLANT PHYSIOLOGY
Honors & Awards			
NET (JRF)	LIFE SCIENCE	DECEMBER, 2000	-
PROF. V. PURI GOLD MEDAL	M.Sc. BOTANY	2001	
Research Supervision	Awarded	Submitted	
Working			
Ph.D.	One		FOUR
Projects	-	-	-

Publications
In Indexed / Peer Reviewed Journals / UGC Approved
Prakash G, Gupta V, Poonia S , Sangita, Sharma S (2002) Effect of sulphur dioxide exposure on the chlorophyll contents in <i>Raphanussativus</i> L. Plant Archives 165-170
Poonia S and Prakash G (2004) Relative tolerance in some legumes in response to exposure to sulphur dioxide. Acta Botanica Indica. 31-32: 81-86

Purushottam and **Poonia S** (2010) Food Borne Disease: Salmonellosis. Indian Journal of Crop Science. 5(1-2): 5-8

Purushottam, **Shefali**, Agarwal RK, hilegonkar KN, Tomar A, Prasad L (2011) Isolation and Characterization of *E. coli* from Food and Environment Samples. Vegetos. 24(1): 142-146

Poonia S (2011) *RHIZOBIUM*: A Natural Biofertilizer. International Journal of Engineering and Management Research Vol. 1(1): 36-38

Poonia S (2012) Sulphur Dioxide Pollution: A Review on Trends of Emission and Impact on Organisms and their Environment. International Journal of Engineering and Management Research Vol. 2(5): 57-60

Purushottam **Poonia S** Tomar A and Kumar R (2012) Rapid Detection of Verotoxic *Escherichia coli* by PCR from Foods and Environmental Samples. 25(1): 352-353

Gautam M and **Poonia S** (2012) Determination of Sodium, Potassium and Calcium in tomato (*Lycopersicon esculentum* Mill.) by Flame Photometry. International Journal of Higher Education and Research. 1(1): 40-44

Gautam M, **Poonia S** and Shukla A K (2013) Determination of Pesticide Residues in Tomato (*Lycopersicon esculentum* Mill.) fruit at supervised trial. International Transaction in Applied Sciences. 5(1): 131-136

Singh N, Purushottam, Tomar A, Kumar R, Dhyani BP, Prasad L and **Poonia S** (2014) Isolation, Biochemical characterization and Preparation of Biofertilizer using *Rhizobium* strains (*Vigna mungo*) for farmers use. Journal of Plant Development Sciences 6(4): 505-509

Khan S, Purushottam, Tomar A and **Poonia S** (2014) Isolation and Characterization of *E. Coli* from food and environmental samples and its antibiotic sensitivity profile. Vegetos 27 (3): 117-120

Gautam M and **Poonia S** (2015) Impact of synthetic and Bio-pesticide on physiological and biochemical parameters of seedlings of *Lycopersicon esculentum* Mill. Variety Pusa Ruby. International Journal of Higher Education and Research 5(2): 19-27

Gautam M, **Poonia S** and Purushottam (2016) Growth response in *Lycopersicon esculentum* Mill. On exposure to endosulfan and malathion. Journal of Plant Development Sciences 8(1): 29-32

Poonia S, Gautam M and Purushottam (2016) Osmotic stress response induced on exposure to endosulfan and Malathion in *Lycopersicon esculentum* Mill. Journal of Plant Development Sciences 8(5): 231-234

Poonia S, Purushottam and Poonia V (2017) Negative Impact Analysis of Pigment contents in Legumes in Response to Sulphur Dioxide Treatment. *Vegetos* 30:196-199

Purushottam, Shruti, Tyagi C, Tomar A, Kumar R, Dhyan BP and **Poonia S** (2017) Isolation and Biochemical characterization of Rhizobium from root nodules of Mungbean (*Vigna radiata*). *Vegetos* 30: 505-507

Sahrawat A, Tyagi S, Rahul SN, Purushottam, Shahi SK and **Poonia S** (2018) Antibacterial activity of *Holarrhena pubescens* (Kurchi) Flower against Gram negative bacterial strains *Vegetos* 31(1): 80-82

Kumari K, **Poonia S**, Purushottam and Kumari S (2019) Isolation and Biochemical characterization of native *Rhizobium* species. *Progressive Agriculture* 19(1): 55-59

Poonia S. (2019) Studies on Alpha–Amylase Activity in Germinating Seeds of Four Leguminous Crops in Response to Sulphur Dioxide *Biotech Today*. 9 (2) 51-53

Tanushree, Purushattom, Ravindra Kumar, R.K. Naresh, Akash Tomar, Rekha Dixit and **Poonia S**. (2020) Morphological identification and biochemical characterization of *Xanthomonas campestris* from mustard and cabbage and its management by bacterial antagonists. *Journal of Plant Development Sciences* Vol. 12(8): 467-473. 2020

Publication in conferences

Prakash G, Sharma S, Sangita, Dhaka R. 2001 Stomatal response to sulphur dioxide exposure in *Dahlia variabilis*L. and *Tagetespatula* L. Agarwal, V.P. and Chauhan, S.V.S. In: *Role of Biosciences in New Millennium*, Society of Biosciences 39-44

Gautam M and Poonia S. 2016 Germination studies in *Lycopersiconesculentum* Mill. in response to Endosulfan. In: *National Conference on Amelioration of Air Pollution Effects in Agricultural crops (DHEUP)*

Books/Chapters

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Seminar / Conference/Workshop attended

- 1) 18-11-2005 “Biology in the service of mankind in the post genomic era” organized by R.G. (P.G.) College, Meerut

- 2) 14-11-2008 “Environment and Sustainable Development” organized by Meerut College, Meerut
- 3) 19-21st Feb. 2009 International Conference on “Current Trends in Biotechnology and Implications in Agriculture” organized by S.V.B.P.U.A.&T., Meerut
- 4) 27-29th Mar. 2009 “Bioresource Conservation and Utilization” organized by C.C.S. University, Meerut
- 5) 10-11th Dec. 2009 “Challenges and Opportunities in Evolutionary and Reproductive Biology of Plants” organized by C.C.S. University, Meerut
- 6) 23-24th Feb. 2010 “Recent Trends in Life Science” organized by College of Applied Education and Health Science, Meerut
- 7) 2nd Dec. 2015 National **Workshop** on “Rain Water Harvesting” organized by Department of Botany, R.G. (P.G.) College, Meerut
- 8) 24th September 2016 Attended a Lecture on ‘Rice Genome: Origin, Domestication and Function at Shaheed Mangal Pandey Govt. Girls PG College, Meerut
- 9) 31st Aug.-1st Sept.,2019 National Seminar-cum-workshop on The Biodiversity conservation and Sustainable use of Medicinal and Aromatic Plants organized by Department of Botany, C.C.S. University, Meerut (DHEUP sponsored)
- 10) 19th Sept., 2019 National Seminar-cum-Exhibition on Herbal Therapy: Present Scenario and Future Prospects organized by Deptt. of Botany, R.G. P.G. College, Meerut
- 11) 20th Sept., 2019 National workshop on Understanding Academic Integrity and Practices to Avoid Plagiarism organized by Deptt. of English, DN College, Meerut

Conference Presentation

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- 1) 23-24th Oct. 2010 “New Horizons in Plant Sciences” organized by Meerut College, Meerut
- 2) 11 & 12th Oct. 2015 UGC sponsored National Seminar on “The Role of Biology in Bringing Second Generation Green Revolution” organized by Department of Botany, M.S. College, Saharanpur
- 3) 08-10th Dec. 2015 National Seminar on “Challenges in Plant Sciences: Now and Then” organized by Department of Botany, C.C.S. University, Meerut
- 4) 11-14th Dec. 2015 3rd International Plant Physiology Congress on “Challenges an

Strategies in Plant Biology Research at JNU, New Delhi, India

- 5) 16-18th April, 2016 International Conference on “Innovative Education, Youth Entrepreneurship and Skill Development” organized by Association for Innovative Education, C.C.S. University, Meerut
- 6) 25th Oct., 2016. Alpha-amylase activity in germinating seeds of some leguminous crops in response to sulphur dioxide fumigation. National Conference on Natural Resource Management for sustainable Agriculture organized by Agriculture Technology Development Society, Ghaziabad
- 7) 20-22nd Feb., 2017 Negative Impact analysis of pigment contents in Legumes in response to sulphur dioxide treatment TASARD, International Conference organized by Society for Plant Research and African-Asian Rural Development Organization, New Delhi.
- 8) 29th Jan., 2020. National Seminar on Ethnomedicinal Wealth of India, Conservation and Sustainable Management organized by Department of Botany, R.G. College, Meerut
(INVITED LECTURE)
- 9) 14th – 16th Feb., 2020 International Conference on Interdisciplinary Research for Sustainable Development: Innovation and Opportunities organized by Vardhman College, Bijnor (UP)

Public Service / University Service / Consulting Activity

- Practical examiner, CCS University, Meerut, evaluation, paper setting
- Practical examiner by Vardhman College, Bijnor, Rohelkhand University
- Practical examiner by Gurukul Kangri University, Haridwar, Uttarakhand
- Appointed as Subject Expert by C.C.S. University, Meerut for the appointment of Assistant teachers in Self Finance Colleges (2019-2022).
- Subject Expert by C.C.S. University, Meerut for the appointment of Assistant teachers in Vidyotama Girls PG College, Muzaffarnagar (2019-2022)

Professional Societies Memberships :

- 1) Life Member, Society for Advancement of Botany. Meerut College, Meerut
- 2) Life Member, Society for Glorification of Science and Farmer Community, Modipuram, Meerut
- 3) Member, Plant Conservation Society, Biodiversity Conservation & Awareness

Programme, Botany Department, R.G.P.G. College, Meerut for 2016-17.	
Projects (Major / Minor Grants / Collaborations)	-
Other Details	
ORIENTATION PROGRAMME ATTENDED:	
20-02-08 TO 19-03-08 at Jamia Millia Islamia, NEW DELHI	
REFRESHER COURSES ATTENDED:	
1) 25-07-11 TO 19-08-11 at JNU, NEW DELHI in Biotechnology	
2) 07-01-13 TO 28-01-13 at CPDHE, NEW DELHI in Environmental Science	
SHORT TERM TRAINING PROGRAMME/WORKSHOP (ONE WEEK) ATTENDED:	
1) 14-03-16 TO 20-03-16 at Department of Botany, Meerut College, Meerut in New Innovative Biotechniques (DST Sponsored)	
OTHERS	
<ul style="list-style-type: none"> • December 1999 Awarded CERTIFICATE in Environmental Studies by IGNOU, Scored First Division • 2015 Invited to judge a Debate competition at K.K. Inter College, Meerut by Janhit Foundation, Meerut • 2018 Invited to judge a Collage and Poster Competition at Meerut College, Meerut • Coordinator – DN College Alumni Association (since 2016) • Member, Botanical Society, Department of Botany, DN College, Meerut 	

Signature of Faculty Member

Signature of H.O.D.

Signature & Stamp of Principal