

NAME	Dr.Kusuma Kumari Panda		
DESIGNATION	Assistant Professor(Grade III)		
EMAIL ID	pkkumari@amity.edu		
CONTACT NUMBER	9810432597		
RESEARCH INTERESTS	Plant Breeding for crop improvement. Genetics of biotic and abiotic stress tolerance using biochemical and molecular markers.		
EDUCATIONAL QUALIFICATIONS:			
Name of College / University	Degree	Year	
Andhra University	Ph.D	2003	
Andhra University	M.Sc	1994	
Mrs.A.V.N.College (Andhra University)	B.Sc	1992	
Board of Intermediate Education, AP	H.S.C	1989	
Title of Ph.D. thesis: Characterization and genetics of salinity tolerance in some inbreds of <i>Sorghum bicolor</i> (L.) Moench.			
EXPERIENCE (in chronological order)			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Research Associate	Research	IARI, Pusa Campus, New Delhi	Nov.2001- Mar.2003
Assistant Professor	Teaching	College of Engg. and Technology, IILM Academy of Higher Learning(U.P. Tech. University)	Aug,2003- Apr.2010
Assistant Professor	Teaching	Amity Institute of Biotechnology, Amity University, Noida, U.P	Apr.2010-till date
No. of Ph.D. students supervised	Awarded: (Nil) Ongoing: (4)		
PUBLICATIONS Published : Papers presented :	Publications: <ul style="list-style-type: none"> • P. Sharmila , P. Kusuma Kumari , Kavita Singh, N. V. S. R. K. Prasad, P. Pardha-Saradhi. 2016.Cadmium toxicity-induced proline accumulation is coupled to iron depletion. Protoplasma. DOI 10.1007/s00709-016-0988-5 • P. Kusuma Kumari , P.V. Arjuna Rao, M.V. Subbarao, V. Manga. 2014. In vitro Response of Sorghum Accessions under Different Salinity Levels. Indian Journal of Agricultural Biochemistry. 27(1) :25-29 • Genetic Analysis of Sodium Content and Na/K ratio in relation to salinity tolerance in Pearl Millet <i>Pennisetum glaucum</i> (L). R.Br. P.V. Arjuna rao, P. Kusuma Kumari, M.V. Subba Rao, V. Manga. J. Crop Sci. Biotech. 2012 (September) 15(3) : 195-203 • Molecular Markers for screening salinity response in Sorghum. M.V.SubbaRao, P.Kusuma Kumari, V. Manga. Indian Journal of Biotechnology. Vol.6, April 2007, pp271-273. • D.M. Sujatha, P. Kusuma Kumari, J.S.R. Murthy, V Manga, M.V. 		

	<p>Subba Rao. 2004. Biosystematic Studies in the Genus Pennisetum. In: Gleanings in Plant Sciences: Feschrift in Honour of Prof. Bir Bahadur. No.13</p> <ul style="list-style-type: none"> • Karyomorphology and heterochromatin patterns in three species of Sesbania Scop., G.Radha,P.Kusuma Kumari, M.V. Subba Rao, V. Manga <i>the nucleus</i>,41, N0.3 145-151, Dec 1998 <p>Papers presented:</p> <ul style="list-style-type: none"> • Adaptation of Sorghum to salinity” AgriCon-2016 “Balanced Fertilization: A Key to Food Security & Environmental Sustainability” 24-25 Feb 2016. • Tolerance to Heavy Metals in plants: A Review, Biogenesis-III: Emerging Trends in Medical Biotechnology and Health Care, 6- 7 March, 2014. • Mode of salinity tolerance in sorghum. UGC & DST sponsored National seminar - Plant Biotechnology: Challenges and opportunities in 21st century on Mar. 3-4,2014 • Evaluation of Microalgae for Domestic waste water treatment, Global R&D Summit 2013,FICCI, New Delhi,25-26,July,2013. • In vitro response of Sorghum bicolor to salinity, 3rd World Congress on Biotechnology ,OMICS Group, 13-15 September, 2012, Hyderabad. • Evaluation of Abiotic Stress tolerance in Vigna unguiculata seedlings under mineral deficient and mineral rich conditions, International conference on Biosciences & Bioengineering. A Collaborative Approach, IMSEC Ghaziabad, 6-7 July, 2012 • Tissue Culture of Jatropha curcas (Biodiesel Plant). National Conference -cum-Seminar on Emerging trends in Biotechnology, IMSEC, Ghaziabad, 18-19 Jan.2008
PATENTS (Nil)	<i>Details:</i>
RESEARCH PROJECTS (Ongoing: 3)	<p><i>Details: As CO-PI</i></p> <ul style="list-style-type: none"> • Project Title: Network Programme for Enrichment and Update of Plant Chromosome Database for Spermatophytes and Archegoniate Funding Agency: Department of Biotechnology Duration: 3 Years Saction Date:19/03/2015 • Project Title: Mapping Yellow Mosaic Virus (YMV) tolerance trait loci in Vigna radiata(L.) Wilczek using doubled haploids” Funding Agency: Department of Biotechnology Duration: 3 Years Saction Date:13/01/2017 • Project Title: Assaying patterns of polymorphism at DNA, chromosomal and phenotypic levels in Black rice leading to the identification of ‘core’ set of genotypes for genetic improvement, possible colonize newer ecogeographic areas and conservation strategies Funding Agency: IBSD,Manipur,Imphal Duration: 2 years Sanction date: Feb 2017
AWARDS & HONOURS/ DISTINCTIONS	<ul style="list-style-type: none"> • Obtained University 1st rank in M.sc and have been awarded 3 Gold Medals • A) Prof. J.Venkateswarulu Shastiabdi Purthi Gold Medal • B) Shri P.V.V. Seshagiri Memorial Gold Medal • C) Shri T. Sreeramulu Memorial Gold Medal

	<ul style="list-style-type: none">• Qualified GATE (1995) with 97.4 percentile score.• Qualified SRF (CSIR) (1999)• Qualified SLET (2001)
MEMBERSHIP with Professional/ Academic bodies	Life Member of Indian Society of Agricultural Biochemists