

Profile Page



Name : Dr Shveta Mahajan
Designation : Assistant Professor (Grade-II)
Department : Computer Science & Engg.
Qualification : CSE (Academy of Scientific and Innovative Research (AcSIR))
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Research Interests :

Her scholarly interests range widely, from the machine vision and image processing to the machine learning and cognitive studies.

Other Profile Links :

Google Scholar Link :

?Shveta Mahajan? - ?Google Scholar? [Click Here](#)

Journal Publications :

Year	Journal	Publication
2018	The Imaging Science Journal	Mahajan, Shveta, Anu Rani, Mamta Sharma, Sudesh Kumar Mittal, and Amitava Das. "A pre-processing based optimized edge weighting method for colour constancy."
2018	Journal of food science and technology 55, no. 10 (2018): 3949-3959	Mahajan, Shveta, Sudesh Kumar Mittal, and Amitava Das. "Machine vision based alternative testing approach for physical purity, viability and vigour testing of soybean seeds (Glycine max)."
2015	Trends in Food Science & Technology	Shveta Mahajan, Amitava Das, and Harish Kumar Sardana. "Image acquisition techniques for assessment of legume quality–A review."

Conference Publications :

Year	Conference	Publication
2018	3rd International Conference on Inventive Computation Technologies (ICICT), 2018, pp. 1-4, doi: 10.1109/ICICT43934.2018.9034339	H. Rampal, A. Das, S. Mahajan and S. Singh, "Enhancement of Corn image quality using Very-Deep Super-Resolution (VDSR) neural network
2017	8th International Conference on Computing, Communication and Networking Technologies (ICCCNT).	Gudwani, H., Singh, V. J., Mahajan, S., Mittal, D., & Das, A. (2017). Identification of poor visibility conditions in urban settings
2016	Fourth International Symposium on Intelligent Informatics (ISI'16), September 21-23, 2016; IEEE Xplore Digital Library	Surbhi Sood; Shveta Mahajan; Amit Doegar; Amitava Das, "Internal crack detection in kidney bean seeds using X-ray imaging technique

2016	103rd Indian Science Congress, University of Mysore, Mysore, January 3-7, 2016	Shveta Mahajan, "Soybean seed quality evaluation using visible and X-ray image analysis"
2016	103rd Indian Science Congress, University of Mysore, Mysore, January 3-7, 2016	Shveta Mahajan, "Morphological operations based detection of internal damages in soybean seeds using X-Ray imaging"
2016	47th Mid-Term Symposium, IETE, April 2016 ,10-9	Shveta Mahajan; Mamta Sharma; Sudesh Kumar Mittal; Amitava Das, "Comparison of Scalar and Vector Denoising Filters for Color Images using Quality Measures"
2016	47th Mid-Term Symposium, IETE, April 2016 ,10-9	Surbhi Sood; Shveta Mahajan; Amitava Das, "Internal defect analysis in seeds using X-ray imaging technique"
2015	Second International Conference on Signal Processing and Integrated Networks, SPIN-2015, Amity University, Noida, 19-20 February, 2015; IEEE Xplore Digital Library	Shveta Mahajan, Amitava Das, "An Efficient directional distance filter for multi-band images",
2015	102nd Indian Science Congress, University of Mumbai, Mumbai, India, January 2015 ,7-3.	Shveta Mahajan, "Chromaticity error based comparison of color constancy models in agricultural imaging applications"
2015	102nd Indian Science Congress, University of Mumbai, Mumbai, India, January 3-7, 2015	Mamta Sharma, Shveta Mahajan, "Colorimetric analysis for paddy quality assessment using visible imaging techniques"
2014	17th Punjab Science Congress on Theme: "Science and Technology for Inclusive Development" PTU, Jalandhar, India, February 14-16, 2014	Shveta Mahajan, Amitava Das, H. K. Sardana, "Seed Quality Assessment using multi-band imagery"
2014	7th National Seed Congress, BHOPAL, 2014	Shveta Mahajan, "SEED VIGOR ASSESSMENT USING MORPHOMETRIC AND COLORIMETRIC ANALYSIS OF DIGITAL IMAGES"
2013	6th National Seed Congress, On Advancement in Agriculture Through Quality Seeds, 12-14 September, 2013.	Shveta Mahajan, Amitava Das, H. K. Sardana, "X-Ray Imaging Applications in Seed Quality Assessment",
2010	All India Seminar On Advance Computing-2010, Doaba Institute Of Engg & Technology	Shveta Mahajan, Shailendra Nigam, Moninder Kaur. Choosing Best Parameter Design Strategy For A Particular Organization Using Cmm Levels

Research Projects :

Role	Project Type	Title	Funding Agency	From	To	Amount	Status	Co-Investigator
PI		Beyond reach of eyes	DBT BIRAC	01-11-18	30-04-20	3500000	Completed	
PI		Hand held Device for seed Quality assessment	DST SYST				On going	

Award and Honours :

Title	Activity	Given by	Year
Second prize	Hindi paper presentation	Hindustan Petroleum Corporation, Chandigarh	2015

First Prize	Best Poster Presentation	Information and Communication Science & Technology (including Computer Sciences) Section of the Indian Science Congress 2015	2015
First prize	oral paper presentation	6th National seed Congress	2013
First Prize	Hindi paper presentation	CSIR-CSIO, Chandigarh	2013
Second prize	oral paper presentation	The All India Seminar on Advance Computing (AC'10)	2010
Second prize	paper reading competition	IET Baddal	2008
First Prize	paper presentation	CEC Landran	2007