

Faculty Profile

Name: Dr. (Mrs.) Shahin Ara Begum

Designation: Associate Professor

Department: Computer Science

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Educational Qualifications: M. Sc., Jamia Millia Islamia, New Delhi (1996)

Ph. D., Assam University (2008)

Areas of Interest: Machine Learning, Soft Computing Techniques, Pattern Recognition, Data Mining

Work Experience:

Name of the Organization	Designation	Period		Nature of Post
		From	To	
Assam University, Silchar	Lecturer	2 nd July 1997	1 st July 2003	Permanent
Assam University, Silchar	Sr. Lecturer	2 nd July 2003	12 th March 2009	Permanent
Assam University, Silchar	Reader	13 th March 2009	12 th March 2012	Permanent
Assam University, Silchar	Associate Professor	13 th March 2012	Till date	Permanent

Publications in Peer Reviewed Journals/Book Chapters:

Authors	Title of the Paper/Chapter	Name of the Journal/Book	Journal/Book details	ISSN/ISBN
Ranjan Sarmah, <i>Shahin Ara Begum</i> and Mahendra K. Modi	In SILICO Approach to Design Potential Small Interfering RNA (siRNA) against Plant Pathogens and Diseases	International Journal of Innovative Research & Development	2015, Vol. 4 Issue 12, pp. 93-107	ISSN 2278-0211
Paswan R. P. and <i>Begum S. A.</i>	Prediction of Area and Crop Production for Summer Rice and Maize of Upper Brahmaputra Valley Zone of Assam using ANNs	A Journal of Indian Society of Agricultural Statistics, Indian Agricultural Statistical Research Institute (IASRI)	2015, Vol. 69 Issue 1, pp. 65-82	ISSN: ISSN 0019-6363
Churjit, Th. and <i>Begum, S. A.</i>	A Comparative Study of Feature Extraction and Classification Methods for Iris Recognition	International Journal of Computer Applications (IJCA)	2014, Vol. 89, Issue 7, pp. 13-20	ISSN: 0975-8887
S. A. <i>Begum</i> , A. K. Md. Fujail, A. K. Barbhuiya	Genetic Programming for Prediction of Local Scour at Vertical Bridge Abutment	International Journal of Research in Engineering and Technology (IJRET)	2013 Vol. 02 Special Issue: 02, pp. 74-77	eISSN: 2319-1163, pISSN: 2321-7308
Mazumder, R. U., <i>Begum, S. A.</i> , Biswas, D.	An Exponential kernel based fuzzy rough sets model for feature selection	International Journal of Computer Applications (IJCA)	2013, Vol. 81 Issue 6, pp. 24-31	ISSN: 0975-8887

Books Authored/Edited Books:

Authors	Title of the Book	ISBN	Publisher Details	Authored /Edited
Shahin Ara Begum and Prodipto Das	Advanced Computing Applications, Databases and Networks	ISBN: 978-81-8487-109-8	Narosa Publishing House Pvt. Ltd., New Delhi, 2011	Edited

Peer Reviewed Publications in Proceedings of National/International Conference/Workshop/Symposium:

Authors	Title of the Paper	Name of the Program and Organizer	Publisher Details	ISBN/ ISSN
Arif Iqbal Mozumder and <i>Shahin Ara Begum</i>	Iris Segmentation using Adaptive Histogram Equalization and Median Filtering	IEEE International Symposium on Advanced Computing and Communications (ISACC) 2015, Assam University Silchar 14-15 September 2015	IEEE <i>Xplore</i> , 2015	ISBN: 978-1-4673-6708-0/15
Riaj Uddin Mazumder, <i>Shahin Ara Begum</i> and Devajyoti Biswas	Rough Fuzzy Classification for Class Imbalanced	Fourth International Conference on Soft Computing for Problem Solving (SocProS 2014), NIT Silchar 27-29 December 2014	Springer India, 2015	Print ISBN 978-81-322-2216-3, Volume 1, Online ISBN: 978-81-322-2217-0
Paswan R. P. and <i>S. A. Begum</i>	ANN for Prediction of Area and Production of	IEEE International Conference on Advance Computing Conference (IACC),	IEEE <i>Xplore</i> , 2014	ISBN: 978-1-4799-2571-1

	Maize Crop for Upper Brahmaputra Valley Zone of Assam	21-22 February 2014, Gurgaon		
Churjit, Th. and Begum, S. A.	Performance Evaluation of Feature Selection Methods for ANN Based Iris Recognition	1 st International Conference on Emerging Trends and Applications in Computer Science (ICETACS), 13-14 Sept. 2013, Shillong	IEEE <i>Xplore</i> , 2013	ISBN: 978-1-4673-5249-9
O. Mema Devi and Shahin Ara Begum	A new cluster validity index for type-2 fuzzy c-means algorithm	International Conference on Advances in Computing, Communications and Informatics (ICACCI 2013), 22-25 August, 2013, Mysore	IEEE <i>Xplore</i> , 2013	ISBN: 978-1-4799-2432-5

Details of Ph. D. degree awarded:

Name of the Scholar	Title of the Thesis	Year of award
O. Mema Devi	Investigation of Fuzzy Pattern Recognition Techniques For Medical Diagnosis	2014
Raju Prasad Paswan	Artificial Neural Network for Prediction of Area and Crop Production Across Different Agro-Climatic Zones of Assam	2015
Riaj Uddin Mazumder	Rough Fuzzy Set Approach to Feature Selection and Classification	2015
Abul Kashim Md. Fujail	Soft Computing Methodologies and its Applications to Estimate Local Scour at Bridge Abutment	2016
Thiyam Churjit Meetei	Design Approaches for Multibiometric Systems	2016