


## STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title		First Name	<b>Abha</b>	Last Name	<b>Aggarwal</b>	
Designation	<b>Associate Professor</b>					
School /Dept. Name	<b>USBAS</b>					
Address:	<b>B-202, B-Block, USBAS, GGS IP University Dwarka Sector 16c Delhi-110078</b>					
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	Residence	<b>011-43594459</b>				
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Web Page (if any)						
Subjects Taught	<ul style="list-style-type: none"> <li>• <b>Graduation Courses</b> <ol style="list-style-type: none"> <li>1. Mathematics I</li> <li>2. Mathematics II</li> <li>3. Applied Mathematics III</li> <li>4. Applied Mathematics IV</li> </ol> </li> <li>• <b>Post Graduation Courses</b> <ol style="list-style-type: none"> <li>1. Mathematics -I</li> <li>2. Mathematics-II</li> <li>3. Optimization</li> </ol> </li> <li>• <b>Ph.D. Courses</b> <ol style="list-style-type: none"> <li>1. Introduction to fuzzy mathematical programming</li> </ol> </li> </ul>					
Areas of Interest/Specialization	<ol style="list-style-type: none"> <li><b>1. Fuzzy Mathematical Programming</b></li> <li><b>2. Portfolio optimization</b></li> <li><b>3. Data Envelopment Analysis</b></li> </ol>					
Experience (in years)	Total	<b>&gt;23</b>				
	Industry	NIL				
	Teaching	<b>&gt;19</b>				
	Research	<b>&gt;23</b>				

Educational Qualifications	UG	<b>B.Sc. from Meerut University(UP),India(1992)</b>
	PG	<b>M.Sc. from Roorkee University, India (1994)</b>
	Doctorate	<b>Ph.D. from IIT Delhi, India (2001)</b>
	Any other	
Research Publications in Journals (last 5 years)	<ol style="list-style-type: none"> <li>1. Aggarwal, A., Mehra, A., Chandra, S., &amp; Khan, I. (2017). Solving I-fuzzy number linear programming problems via Tanaka and Asai approach. <i>Notes Intuit Fuzzy Sets</i>, 23, 85-101.</li> <li>2. Khan, I., Aggarwal, A., Mehra, A., &amp; Chandra, S. (2017). Solving matrix games with Atanassov's I-fuzzy goals via indeterminacy resolution approach. <i>Journal of Information and Optimization Sciences</i>, 38(2), 259-287.</li> <li>3. Aggarwal, A., Mehra, A., Chandra, S., &amp; Khan, I. (2018). Solving Atanassov's I-fuzzy Linear Programming Problems Using Hurwicz's Criterion. <i>Fuzzy Information and Engineering</i>, 10(3), 339-361.</li> <li>4. Deeba Naqvi, Abha Aggarwal, Geeta Sachdev and Imran Khan, Solving I-fuzzy two person zero-sum matrix games: Tanaka and Asai approach, <i>Granular Computing</i>, (2019), 2, 399-409.</li> <li>5. Mehlawat, M. K., Gupta, P., Kumar, A., Yadav, S., &amp; Aggarwal, A. (2020). Multiobjective fuzzy portfolio performance evaluation using data envelopment analysis under credibilistic framework. <i>IEEE Transactions on Fuzzy Systems</i>, 28(11), 2726-2737.</li> <li>6. Gupta, P., Mehlawat, M. K., Kumar, A., Yadav, S., &amp; Aggarwal, A. (2020). A credibilistic fuzzy DEA approach for portfolio efficiency evaluation and rebalancing toward benchmark portfolios using positive and negative returns. <i>International Journal of Fuzzy Systems</i>, 22(3), 824-843.</li> <li>7. Verma, R., &amp; Aggarwal, A. (2021). Matrix games with linguistic intuitionistic fuzzy Payoffs: Basic results and solution methods. <i>Artificial Intelligence Review</i>, 54(7), 5127-5162.</li> <li>8. Verma, R., &amp; Aggarwal, A. (2021). (2010-6234) On matrix games with 2-tuple intuitionistic fuzzy linguistic payoffs. <i>Iranian Journal of Fuzzy Systems</i>.</li> <li>9. Kshitish Kumar Mohanta , Deena Sunil Sharanappa , Abha Aggarwal, Efficiency analysis in the management of COVID-19 pandemic in India based on data envelopment analysis, <i>Current Research in Behavioral Sciences</i>, 2(2021), 100063.</li> <li>10. Srivastava, S., Aggarwal, A., &amp; Mehra, A. (2022). Portfolio selection by cumulative prospect theory and its comparison with mean-variance model. <i>Granular Computing</i>, 1-14.</li> </ol>	

Papers Published in Conference Proceedings (last 5 years)				
Books Authored/Book Volume Chapters				
No. of Conferences	National	Attended		Organized
			1	
	International	1		
Research Guidance	Awarded	PG	M. Phil	Doctorate
				1
	Undergoing			2
Research Projects	Completed			
	Undergoing			
Awards & Distinctions				
Administrative Assignments Handled	Ph.D. Coordinator			
Association with Professional Bodies	Indian Mathematical Society.			
Any other Achievements				