




## Faculty Profile on University Website

www.mjpru.ac.in

<b>Title</b>	<b>Dr.</b>	<b>First Name</b>	<b>Brajesh</b>	<b>Last Name</b>	<b>Kumar</b>	<b>Photograph</b>
<b>Designation</b>		<b>Associate Professor</b>				
<b>Department</b>		<b>Computer Science &amp; Information Tech.</b>				
<b>Address</b>	<b>Campus</b>	<b>First Floor, Central Computer Center</b>				
	<b>Residence</b>	<b>5-A, Umang Part 1, Mahanagar Colony, Bareilly-243006</b>				
<b>Mobile No.</b>		<b>9760018477, 8279722771 (whatsapp)</b>				
<b>Email ID</b>		Personal	<a href="mailto:sainibrajesh@gmail.com">sainibrajesh@gmail.com</a>			
		University Domain	<a href="mailto:bkumar@mjpru.ac.in">bkumar@mjpru.ac.in</a>			
<b>Professional Networking ID, i.e. LinkedIn, Twitter etc.</b>		<b>Twitter: bksaini</b>				
		<b>Linkedin: brajesh-kumar-40944235</b>				
<b>Educational Qualifications (Graduation Onwards)</b>						
Course/Degree	Institution		Year	Details/Thesis Topic/Subjects		
<b>B.Sc.</b>	<b>C.C.S. University, Meerut</b>		<b>1996</b>	<b>Physics/Chemistry/Maths</b>		
<b>M.Sc.</b>	<b>C.C.S. University, Meerut</b>		<b>1998</b>	<b>Physics/Electronics</b>		
<b>M.Tech.</b>	<b>Indian Institute of Technology Roorkee</b>		<b>2001</b>	<b>Computer Science &amp; Tech.</b>		
<b>Ph.D.</b>	<b>Indian Institute of Technology Kanpur</b>		<b>2017</b>	<b>Spectral-Spatial Classification of Hyperspectral Imagery</b>		
<b>Career Profile</b>						
Organization / Institution		Designation	Duration	Nature of Duties		
<b>MJP Rohilkhand University, Bareilly</b>		<b>Lecturer</b>	<b>09.10.2002 to 25.08.2008</b>	<b>Academic</b>		
<b>MJP Rohilkhand University, Bareilly</b>		<b>Reader</b>	<b>26.10.2008 to 06.03.2017</b>	<b>Academic/Administrative</b>		
<b>MJP Rohilkhand University, Bareilly</b>		<b>Associate Professor</b>	<b>07.03.2017 onwards</b>	<b>Academic/Administrative</b>		

<b>Research Interests / Specialization</b>					
<b>Image Processing, Remote Sensing, Natural Language Processing, Machine Learning, Parallel Computing</b>					
<b>Research Experience in Years</b>					
<b>No of Research Scholars Successfully Guided</b>					
Name of Programme		Awarded		Under Supervision	
<b>Ph.D.</b>		<b>Nil</b>		<b>04</b>	
<b>M.Phil.</b>		<b>Nil</b>		<b>Nil</b>	
<b>Dissertation (MTech)</b>		<b>03</b>		<b>Nil</b>	
<b>Researcher/ Expert ID</b>	<b>Scopus</b>	<b>Orcid</b>	<b>Publons</b>	<b>Vidwan</b>	<b>Google Scholar</b>
	<b>56637603700</b>	<b>0000-0001-8100-7287</b>	<b>C-6216-2018</b>	<b>154275</b>	<b>sainibrajesh</b>
<b>Teaching Experience (Subjects/Courses Taught)</b>					
<b>BTech: Soft Computing, Image Processing, Advanced Computer Architecture, Principles of Programming Language, Remote Sensing, Data Structure, Compiler Design, Theory of Computation</b>					
<b>MCA: Image Processing, Advanced Computer Architecture</b>					
<b>PhD: Matlab Programming, Image Processing, Parallel Processing</b>					
<b>Honours / Awards &amp; Fellowship FOR OUTSTANDING WORK</b>					
<b>Name of Award/ Fellowship</b>	<b>Awarded By</b>				
	<b>Name of Governmental Agency</b>	<b>Name of Government Supported Organization/ Department</b>	<b>Name of International Recognized Body</b>		
<b>MHRD (GATE) Fellowship for MTech</b>	<b>MHRD</b>	<b>IIT Roorkee</b>	<b>-</b>		
<b>QIP Fellowship for PhD</b>	<b>MHRD</b>	<b>AICTE</b>	<b>-</b>		
<b>International Travel Grant</b>	<b>-</b>	<b>IIT Kanpur</b>	<b>-</b>		
<b>International Travel Grant</b>	<b>MHRD</b>	<b>TEQIP-II</b>	<b>World Bank</b>		
<b>Publications /Academic Activities (Numbers Only)</b>					

Books & Monographs (Single Author)		Research Papers Published in International Journals		Papers Presented in Seminars/ Conferences	3	Seminars/ Conferences Organized		Research Projects Completed	
Books (Co-authored)		Research Papers Published in Other Journals		Seminar/ Conferences Attended	3	Workshops Organized		Research Projects (Ongoing)	2
Books (Edited)	2	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences	1	Membership of Academic/ Professional Bodies	I E E E	Foreign Countries Visited for Academic Assignments	2
Chapters in Edited Books				Resource Lectures Delivered	4				

### Details of Publications /Academic Activities (2010 Onwards)

#### (a) Authored Books/ Monographs

Name of Book	Year of Publication	Publisher	ISBN No

#### (b) Edited Books

Year of Publication	Title	Publisher	ISBN	DOI No.	Citations

#### (c) Papers Published in UGC Care Listed /Indexed/ Peer Reviewed Journals

Year of Publication	Title	Name of Journal	ISSN No	Citations	Impact Factor
2020	Plant disease detection using computational intelligence an image processing	Journal of Plant Disease and Protection	1861-3829	0	1.526
2020	Hyperspectral image classification using three-dimensional geometric moments	IET Image Processing	1751-9659	0	2.004
2020	Feature extraction for hyperspectral image classification: a review	International Journal of Remote Sensing	0143-1161	1	2.976

<b>Year of Publication</b>	<b>Title</b>	<b>Name of Journal</b>	<b>ISSN No</b>	<b>Citations</b>	<b>Impact Factor</b>
2017	Hyperspectral Image Classification Based on Morphological Profiles and Decision Fusion	International Journal of Remote Sensing	0143-1161	10	2.976
2017	Spectral Contextual Classification of Hyperspectral Imagery with Probabilistic Relaxation Labelling	IEEE Transactions on Cybernetics	2168-2267	10	11.47
2016	Parallel probabilistic relaxation labelling based on Markov random fields for spectral-spatial hyperspectral image classification,” International Journal of Remote Sensing	International Journal of Remote Sensing	0143-1161	2	2.976
2016	Spectral-spatial classification of hyperspectral imagery based on moment invariants	IEEE Journal on Selected Topics in Applied Earth Observations and Remote Sensing	1939-1404	24	3.827
2011	Performance evaluation of routing protocols in vehicular ad hoc networks	International Journal of Internet Protocol Technology	1743-8209	16	1.0
2011	Performance Comparison of Topology and Position Based Routing Protocols in Vehicular Network Environments	International Journal of Wireless and Mobile Networks	0975-3834	28	-
2010	A study of Location Aided Routing (LAR) Protocol for Vehicular Ad Hoc Networks in Highway Scenario	International Journal of Engineering and Information Technology	0975-5292	21	-

<b>(d) Chapter/Paper Published in Edited Books</b>								
Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/web of science
National	International							
<b>(e) Invited as Resource Lecture Person/Examiner/Expert</b>								
Resource person	Detail of Event	Title of Lecture	Date	Institution				
Dr. Brajesh Kumar	FDP on Matlab	Neural Networks	2019	SRMS CETR, Bareilly				
Dr. Brajesh Kumar	FDP on Matlab Tools and Its Applications	Image Processing Using Matlab	27-07-2018	SRMS CET Bareilly				
Dr. Brajesh Kumar	FDP on Matlab Tools and Its Applications	Image Processing Using Matlab	27-07-2018	SRMS CET Bareilly				
Dr. Brajesh Kumar	IEEE Int. Conference on Internet of Things: Smart Innovation & Usage (IOT-SIU), 2018.	Parallel Processing on MultiCore Processors and GPUs	24-02-2018	BIAS Bhimtal, Uttarakhand				
<b>(f) Seminars/Conferences/Workshops Organized</b>								
<ol style="list-style-type: none"> <li>1. Symposium on Wavelet and its Applications in Engineering Problems, 2015.</li> <li>2. IEEE Int. Symposium on Internet of Things: Smart Innovation &amp; Usage (IOT-SIU), 2016.</li> <li>3. IEEE Int. Conference on Advances in Computing, Communication, and Automation, 2016.</li> <li>4. IEEE Int. Conference on Internet of Things: Smart Innovation &amp; Usage (IOT-SIU), 2017.</li> <li>5. Workshop on Data Analytics Using Python and R, 2020.</li> </ol>								
<b>(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)</b>								
Year	Name of Project	Funding Agency	Amount	Duration				
				From	Till			
2018	Integration of spectral and spatial information for hyperspectral image classification	Indian Space Research Organization (ISRO)	Rs. 22.35 Lakh	April 2018	April 2020			
2019	Feature Extraction for Hyperspectral Image Classification	TEQIP-III	Rs. 2 Lakh	January 2019	January 2021			
<b>(h) Administrative Positions/Assignments Held</b>								
Post	Organization	Duration						
		From	To					
Head of Department	Dept. of CSIT, MJPRU, Bareilly	30-07-2011	30-07-2012					
Head of Department	Dept. of CSIT, MJPRU, Bareilly	30-08-2017	02-09-2020					
<b>(i) Seminar/Conference Presentations</b>								

B. Kumar and O. Dikshit, "Parallel Implementation Of Morphological Profile Based Spectral-Spatial Classification Scheme For Hyperspectral Imagery," ISPRS Congress, Prague, Czech Republic, pp. 263-267, 2016.

B. Kumar and O. Dikshit, "Integrating Spectral and Textural Features for Urban Land Cover Classification with Hyperspectral Data," Joint Urban Remote Sensing Event (JURSE), Lausanne, Switzerland, pp. 1-4, 2015.

B. Kumar and O. Dikshit, "Texture Based Hyperspectral Image Classification," ISPRS Technical Commission VIII Symposium, Hyderabad, India, pp. 793-798, 2014.

**(j) Memberships of Academic/Professional Bodies**

Senior Member, IEEE

**(l) International Academic Exposure**

**(m) Any Other Details**

(Brajesh Kumar)