Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	Brajesh	Last Name	Kumar	Photograph
Designation		Associate Professor				
Department		Computer Science & Information Tech.				
Address	**Campus**	First Floor, Central Computer Center				
	Residence	5-A, Umang Part 1, Mahanagar Colony, Bareilly-243006				
Mobile No.		9760018477, 8279722771 (whatsapp)				

Email ID	Personal	sainibrajesh@gmail.com
	University Domain	bkumar@mjpru.ac.in

Professional Networking ID, i.e. Linkedin, Twitter etc.	Twitter: bksaini Linkedin: brajesh-kumar-40944235

Educational Qualifications (Graduation Onwards)

Course/Degree	Institution	Year	Details/Thesis Topic/Subjects
B.Sc.	C.C.S. University, Meerut	1996	Physics/Chemistry/Maths
M.Sc.	C.C.S. University, Meerut	1998	Physics/Electronics
M.Tech.	Indian Institute of Technology Roorkee	2001	Computer Science & Tech.
Ph.D.	Indian Institute of Technology Kanpur	2017	Spectral-Spatial Classification of Hyperspectral Imagery

Career Profile

Organization / Institution	Designation	Duration	Nature of Duties
MJP Rohilkhand University, Bareilly	Lecturer	09.10.2002 to 25.08.2008	Academic
MJP Rohilkhand University, Bareilly	Reader	26.10.2008 to 25.08.2011	Academic/Administrative
MJP Rohilkhand University, Bareilly	Associate Professor	26.10.2011 onwards	Academic/Administrative

Research Interests / Specialization				
Image Processing, Remote Sensing, Natural Language Processing, Machine Learning, Parallel Computing				

Research Experience in Years				

No of Research Scholars Successfully Guided				

Name of Programme	Awarded		Under Supervision	
Ph.D.	Nil		04	
M.Phil.	Nil		Nil	
Dissertation (MTech)	03		Nil	

Researcher/ Expert ID	Scopus	Orcid	Publons	Vidwan	Google Scholar
	56637603700	0000-0001-8100-7287	C-6216-2018	154275	ZrdBaYIAAAAJ&hl

Teaching Experience (Subjects/Courses Taught)
BTech: Soft Computing, Image Processing, Advanced Computer Architecture, Principles of Programming Language, Remote Sensing, Data Structure, Compiler Design, Theory of Computation
MCA: Image Processing, Advanced Computer Architecture
PhD: Matlab Programming, Image Processing, Parallel Processing

Honours / Awards & Fellowship FOR OUTSTANDING WORK

Name of Award/ Fellowship	Awarded By		
	Name of Governmental Agency	Name of Government Supported Organization/ Department	Name of International Recognized Body
MHRD (GATE) Fellowship for MTech	MHRD	IIT Roorkee	-
QIP Fellowship for PhD	MHRD	AICTE	-
International Travel Grant	-	IIT Kanpur	-
International Travel Grant	MHRD	TEQIP-II	World Bank

Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)		Research Papers Published in International Journals		Papers Presented in Seminars/ Conferences	**3**	Seminars/ Conferences Organized	**4**	Research Projects Completed	**2**
Books (Co-authored)	**2**	Research Papers Published in Other Journals		Seminar/ Conferences Attended	**3**	Workshops Organized	**1**	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 Assignme nts	**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
SLM on Python	2021	UPRT Open University, Prayagraj	
SLM on Computer Architecture	2022	UPRT Open University, Prayagraj	

(b) Edited Books

Year of Publication	Title	Publisher	ISBN	DOI No.	Citations
2019	SLM on Multimedia	UPRT Open University, Prayagraj	978-93-83328-17-8		
2021	SLM on Windows Programming	UPRT Open University, Prayagraj			

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

Year of Publication	Title	Name of Journal	ISSN	Citations	Impact Factor
2022	Comparison of Various Deep Convolutional Neural Network Models to Discriminate Apple Leaf Diseases Using Transfer Learning	Journal of Plant Diseases and Protection	1861-3829	0	1.86
2022	Fusion of Hyperspectral and LiDAR Data Using Sparse Stacked Autoencoder for Land Cover Classification with 3D-2D Convolutional	Journal of Applied Remote Sensing			

Year of Publication	Title	Name of Journal	ISSN	Citations	Impact Factor
2022	Fusion of Hyperspectral and LiDAR Data Using Sparse Stacked Autoencoder for Land Cover Classification with 3D-2D Convolutional Neural Network	Journal of Applied Remote Sensing	1931-3195	0	1.53
2022	A comprehensive study of feature extraction techniques for plant leaf disease detection	Multimedia Tools and Applications	1380-7501	5	2.57
2021	Hyperspectral image classification using deep convolutional neural network and stochastic relaxation labelling	Journal of Applied Remote Sensing	1931-3195	2	1.53
2020	Plant disease detection using computational intelligence and image processing	Journal of Plant Diseases and Protection	1861-3829	45	1.86
2020	Hyperspectral image classification using three-dimensional geometric moments	IET Image Processing	1350-245X	2	2.20
2020	Feature extraction for hyperspectral image classification: a review	International Journal of Remote Sensing	0143-1161	32	2.98
2017	Hyperspectral Image Classification Based on Morphological Profiles and Decision Fusion	International Journal of Remote Sensing	0143-1161	19	2.98
2017	Spectral Contextual Classification of Hyperspectral Imagery with Probabilistic Relaxation Labelling	IEEE Transactions on Cybernetics	2168-2267	13	19.12
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	3	2.98
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	29	3.83
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	33	-
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	27	-

(d) Chapter/Paper Published in Edited Books

Publication		Title of the Book	Title of the Chapter	Name & Address of Publisher	Year	ISBN	DOI	Citation Google/ web of science
National	International							

(e) Invited as Resource Lecture Person/Examiner/Expert

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

(f) Seminars/Conferences/Workshops Organized

1. Symposium on Wavelet and its Applications in Engineering Problems, 2015.
2. IEEE Int. Symposium on Internet of Things: Smart Innovation & Usage (IOT-SIU), 2016.
3. IEEE Int. Conference on Advances in Computing, Communication, and Automation, 2016.
4. IEEE Int. Conference on Internet of Things: Smart Innovation & Usage (IOT-SIU), 2017.
5. **Workshop on Data Analytics Using Python and R, 2020.**

(g) Projects (With Title, Year, Grants, Funding Agency and Collaborations)

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
2021	Plant Disease Identification Using Computer Vision Techniques	Department of Higher Education, Government of Uttar Pradesh	Rs. 3 Lakh	April 2021	March 2024
2022	Crop Health Monitoring Using Machine Learning (Center of Excellence)	Department of Higher Education, Government of Uttar Pradesh	Rs. 6 Lakh	August 2022	August 2025

(h) Administrative Positions/Assignments Held

Post	Organization	Duration From	To
HoD	Dept. of CSIT, MJPRU, Bareilly	30-07-2011	30-07-2012
HoD	Dept. of CSIT, MJPRU, Bareilly	30-08-2017	02-09-2020

(i)   Seminar/Conference Presentations

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)