CURRICULUM VITAE

Dr. Rukhsana

Personal Information Present	Language known: Hind Phone : + E-mail : <u>ral</u> Institution Email: <u>rul</u>	Hindi, Urdu, English, Ben i, Urdu, English, Bengali, 91 7980446600 / 8820 (shandaansari@yahoo.co. (shana.geog@aliah.ac.in (shaanasarkar33@gmail.co	Arabic. 131316 <u>in</u>			
Employment &			sity, Kolkata-14, India			
Designation: International Exposure	 Sultanate of Oman (Multi visit 2012-2019) Malaysia (XXV FIG International Congress 2014) Thailand Bangkok (ICGGS-2018) Kingdom of Saudi Arab (visit 2015) Yangon, Myanmar (visit 2019) 					
Ph.D. Topic	Food Security and Rural Development in Western Uttar Pradesh. India.					
Award /Academic achievements/	 JRF Fellows UGC Researd International Developmer Geography, TV Program Research As India, 2004 ICSSR (Gov Dept. of Geo (ICGGS 09) Indo-Asian I Education S International advancement 	ship Award: Universit rch Fellowship: UGC I Award: Young Geog at Environmental Char AMU, Aligarh, 27-29 a: PCRA Award for K association, Ministry of t. of India) Travel Awa ography, Srinakharinw (07/2018) Excellent Education A ociety, AP, Govt of In I Women of the Year 2	K.K.M.B.D Organized by Petroleur Petroleum and Natural Gas of Ind and for Paper presentation at an intervirot University, Bangkok, Thaila ward in Agriculture Geography dia. 28/02/2022 2022 in Geography by Center for p nen's Day 2022 on 16/03/2022, IN	ligarh, 200 nference "F ges" Depar m Conserv lia, Govern ernational nd for atto by RPM I professiona	Resource tment of ation iment of conference, ending Research and	
		-				
Education	Ph. D. M.A.	Geography Geography	Aligarh Muslim University, India Aligarh Muslim University, India	2009 2003		
Qualification			<i></i>			

	S. N.	Programme name	Торіс	Name of the event/ organizer/Institute	Duration
	1.	Orientation Programme	Multidisciplinary	UGC Academic Staff College, Jadavepur University, Kolkata.	Three weeks (25.08.2014 to 22.09.2014),
	2.	Refresher Course	Disaster Management and Environment	UGC Academic Staff College Jadavepur University, Kolkata	Three weeks 13.11.17 to 23.12.17
	3.	Refresher Course	Disaster Management	UGC Academic Staff College Jadavepur University, Kolkata	Two weeks 3/02/2020 to 15/02/2020
	4.	Faculty Development Programme	Advanced Concept for Developing MOOCs	Ramanujan College, University of Delhi, by Govt of India, MHRD	Two weeks 02- 17/07/2020
	5.	Foundation for Agrarian Studies	under a project on agrarian relations to socio-economic development	agrarian society of M s swaminathan, Chennai	Two Months June – July, 2006
	6.	NSS Course	National Service Scheme (NSS)	J.S. College, CCS University, Meerut, UP	1998
	7.	Remote Sensing WGCapD Web Series	Remote sensing in crop Monitoring and Assessment	<i>IIRS Indian Institute of Remote</i> <i>Sensing, ISRO</i> , Department of Space, Govt of India, Committee on Earth Observation Satellites	Two weeks 19/05/2020 to 09/6/2020) <i>I</i>
OP/RC/FDP/RS &GIS/Training and	8.	Remote sensing Course	Satellite Photogrammetry and its Application	<i>IIRS Indian Institute of Remote</i> <i>Sensing, ISRO</i> , Department of Space, Govt of India, Committee on Earth Observation Satellites	One week 26/06/2020 to 03/07/2020
other Certificate Courses	9.	Remote sensing Course	RS Applications in Agricultural Water Management	<i>IIRS Indian Institute of Remote</i> <i>Sensing, ISRO</i> , Department of Space, Govt of India, Committee on Earth Observation Satellites	One week 03/07/2020 to 07/07/2020
	10	Remote sensing Course	RS Application of Geoinformatics in Ecological Studies	<i>IIRS Indian Institute of Remote</i> <i>Sensing, ISRO</i> , Department of Space, Govt of India, Committee on Earth Observation Satellites	One week 13/07/2020 to 24/07/2020
	11	One weeks Workshop	Methodological Research in Humanities	Department of Bengali, Aliah University, Kolkata-14	26/12/2017 to 01/01/2018
	12	Training	Basic of Googel Earth Engine	RBased Cerices Private Lmtd, New Delhi,	20-21-6-2020
	13	Training	Digital Image Processing With ER Mapper Professional 7.1	Center of Promotion of Science, AMU, Aligarh,	2007
	14	Certificate course	Digital Terrain Modeling & it's Application,	Center of Promotion of Science AMU, Aligarh,,	March 2009
	15	Certificate course	GIS Global Mapper	Center of Promotion of Science, AMU, Aligarh,	2009
	16	Certificate course	Statistical Analysis Using SPSS, Computer Center,	Center of Promotion of Science, AMU, Aligarh,	2007

	17	NSS Course	National Service Scheme (NSS),	J.S. Colle UP	ege, CCS University, Meeru	it, 1998
	18	Research Work	Foundation for Agrarian Studies	Chennai.	<i>Swaminathan,</i> (Participated as a field tor in socio economic surve ds in Uttar Pradesh),	2006 ey of
	19	Scout Guide Competition	1 st Award for Scout Guide Competition	M.S. Col	lege, UP,	1998
	20	Scout Guide Competition	II nd Award for Scout Guide Competition	M.S. Col	lege, UP	1997
	21	One day Workshop	Women and Society	Faculty o	f Arts, AMU, Aligarh, 2005	5 2005
	22	One day Workshop	National Mission on Education		IEICT), National institute gy of Durgapur, West Beng	15th Jun 2015 gal,
	23	Two days Workshop	Handling NSS unit level	network f	Association SNAP, A socia for assistance to people, Ali y, Kol-14	
Teaching experience	 Twelve Years of Teaching Experience 2010 September to till date Department of Geography, Alial University, Kolkata. Six months of Teaching Experience (April 2010 to September 2010), Lecturer the in Department of Geography, K. J. College, University of Mumbai, India. 					
Guest Faculty	IltyDepartment of Geography, West Bengal State University, Kolkata-26 (PG classes)September 20 - February 21					
		partment of Geograp iversity, Kolkata-26	hy, West Bengal State (PG classes)	A	april 21- July 21	
		partment of Geograp iversity, Kolkata-26	hy, West Bengal State (PG classes)	N	November 21- March 2022	
		partment of Geograp iversity, Kolkata-26	hy, West Bengal State (PG classes)	N	Iarch 22-July 2022	
Administrative Experience		Superintenden	t, Aliah Girls Hostel, Ali Departmental Research	iah Univers	ersity (2014-2016, two year ity (2012-2014, two years) e (DRC), Department of Ge	
Research Experiences	 Eleven years including Ph. D. Five years: Ph.D. Research work, AMU, Aligarh (2004 – 2009) Two Months: Field Survey under a project on agrarian relations to socio-economic development (June – July, 2006) under agrarian society of M s swaminathan Ten years: Supervision Ph.D, Aliah University, Kolkata(2011 to till date). 			nic development (June		
Field of	Rese S. N. 1.	Earch Field: Urban C Name of Researce Scholars Asraful Alam	ch	Title of the	nd Agriculture geography. e Ph.D Security in Koch Bihar	Submitted/ Awarded Awarded
Research Interest & Supervision	1.		District, West Be			(03/04/2017)

	1	1			
	2.	Jumafuddin Shiekh	Land use changes and Socio-economic Trance formation in Rural Urban Fringe: A case study Kalyani municipality, Kolkata, India	Awarded (02/07/2019)	
	3.	Firojuddin Mollah	Regional Pattern of Energy Utilization in KMC Kolkata, India	Awarded (23/12/2019)	
	4. Md Hasnine		Nature and Dimension of Urban Sprawl A Study Around Kolkata City	Awarded (23/12/21)	
	5.	Mili Basak	Educational Development and Supply of Quality of Education at the Primary School Level: A Case Study Kolkata Municipal Corporation India.	Ongoing (Admission 13.06.2017)	
	6.	Sabir Mollah	Resilience for food and nutrition security in Sundarban Region, West Bengal	Ongoing (Admission 31.10.2018)	
	7.	Najib Ansari	Urban planning	Ongoing (Admission 16- 06-2021)	
	•	2020) – 59 (attach	ate level project dissertation supervised: 300: Project dissert	pervised (from 2011-	
Major Research project	 Completed: Major Research Project (MRP): entitled "Nature and Dimension of Crop Diversification at smallholders in West Bengal" awarded dated 29/09/16 from ICCSR (Ministry of Human Resources Development, Govt. Of India, New Delhi-10067), submitted date: 30-11-2018 Ongoing: Major Research Project (MRP): entitled "Role of Women Farmers in Changing Climate to Sustain Food Security and Adaptation Mechanism: Empirical Evidence from Indian Sundarban Delta" awarded dated 12/03/2022 from ICCSR (Ministry of Human Resources 				
Subjects Teaching	Development, Govt. Of India, New Delhi- • Agriculture Geography • Environmental Geography • Urban Geography • Population Geography • Economic Geography • Demography and Ekistics • Geography of Resources • India: Regional Problems and Resource Management • Geography • Political Geography • GIS and Remote Sensing				
Membership of Learned Society	 Life Member of 'Indian Society of Remote Sensing, Indian Institute of Remote Sensing Campus, Dehradun Life Member of 'Regional Science Association, India' Kolkata, Life Member 'The Society of Economics and Development' Ludhiana-141012 (Punjab) Annual Member of 'The Geographical Society of India', Kolkata, Annual Member of Geographical Review of India, Kolkata, Annual Member Institute of Landscape, Ecology & Ekistics, Kolkata 				
Reviewer of research articles	1	I. Review an article Tanzania: Food	"Assessments of Upgrading Strategies to Improve Regine Processing, Waste Management and Bioenergy, And Agricultural Research, 6 March 2015		

	 Review an article "The Role of Agricultural Production on National Security" Asian Journal of Agricultural Extension, Economic and Sociology, USA, SCIENCEDOMAIN, 5 September 2016. (Ms_AJAEES_28825)
	3. Review an article, "Causes That led to an Inadequate Implementation Rate of the Urban Development Projects in The North-Western Region Of Romania In The Period 2007-2013 And The Objectives Set For 2014-2020" Asian Journal of Agricultural Extension, Economic and Sociology, USA, SCIENCEDOMAIN, 2017. (Ms_AJEBA_34319)
	 Review an article "<i>The Assessment of Rural Household's Food Insecurity in Ekiti State, Nigeria.</i>" Asian Journal of Agricultural Extension, Economic and Sociology, USA, SCIENCEDOMAIN, 28 May 2020. (Ms_AJAEES_57411)
	5. Review an article " <i>Effects of Urban Expansion on Agricultural Resources: A Case Study of Embu</i> <i>Town in Kenya</i> " Asian Journal of Agricultural Extension, Economic and Sociology, USA, SCIENCEDOMAIN, 27 Jun 2019. (Ms_AJAEES_49937)
	6. Review an article " <i>Farm Level Indicators of Sustainable Land Management: Effect on Agricultural production in Oyo State, Nigeria</i> " Asian Journal of Research in Agriculture and Forestry, USA, SCIENCEDOMAIN, 27 December 2018. (Ms_AJRAF_46512)
	 7. Review an article "Agricultural Productivity, Poverty Reduction and Inclusive Growth in Africa: Linkages and Pathways" Asian Journal of Agricultural Extension, Economic and Sociology, USA, SCIENCEDOMAIN, 18 March 2017. (Ms_AJAEES_32427)
	8. Review an article " <i>The Assessment of Rural Household's Food Insecurity in Ekiti State, Nigeria.</i> " Plant Cell Biotechnology and Molecular Biology, USA, SCIENCEDOMAIN, 28 25 August 2020. (Ms_AJAEES_57411)
	9. Certificates for Excellence Reviewing and Outstanding Award for reviewing articles "Farm Level Indicators of Sustainable Land Management: Effect on Agricultural production in Oyo State, Nigeria <u></u> 'Asian Journal of Agricultural Extension, Economic and Sociology, USA, SCIENCEDOMAIN, Jan 2019. (Ms_AJRAF_46512)
	 10. Certificates for excellence Reviewing and Outstanding Award for reviewing articles 'Effects of Urban Expansion on Agricultural Resources: A Case Study of Embu Town in Kenya "Asian Journal of Research in Agricultural and Forestry", USA, SCIENCEDOMAIN, Jun 2019 (Ms_AJAEES_49937)
	 Reviewer of the months got recognition to Review an article "A Study on Economics of Chilli Cultivation in Wokha District of Nagaland" Current Agriculture Research Journal, 2019. Review an Article 'Mapping Paddy Using Multi-temporal RISAT-1 C band SAR data In Part of
	 Godavari Command Area"Current Agriculture Research Journal ,2019. 13. Review an article "Mangrove Forest Ecosystem Health on Small Islands" Plant Cell Biotechnology and Molecular Biology, 25/08/2020 (Ms_PCBMB_7740)
	14. Review an article on 'A review of resource management and self-reliance for sustainable development of India under COVID-19 scenario' Journal of Public Affairs, (<i>WILEY</i>) 26/08/2020, (JPA-20-908)
	• Interview expert for Public Service Commission, kolkata (several times)
	• Interview expert for Hostel requirement Aliah University, Kolkata
	• Interview expert for Project requirement Aliah University, Kolkata
	• External expert for viva and evaluation of dissertation of 2-Year M.Sc. final students, Lady Brouman
Honour	 College, Kolkata, 2016 Question setter for 2-Year M.Sc. admission under AUAT of Aliah University, Kolkata (several times)
	• Question setter for 5-Year Integrated M.Sc. admission under AUAT of Aliah University, Kolkata (several times)
	 Question setter for Ph.D. admission under AURET of Aliah University, Kolkata Question setter for 2-Year M.Sc. final exams of Presidency University, Kolkata
Chair the	• Joint-Secretary of National Seminar: Two-Day National Seminar on ''Geography as Spatial Science: Contemporary Issues and Challenges'' March 8th & 9th, 2019 Organized by Department of
Session/Speake	Geography, Aliah University in collaboration with Foundation of Practicing Geographers, Kolkata
r/member	• Secretary of international Webinar: International Webinar on Progress and dimensions in Geographical Research organized by Department of Geography, Aliah University, Kolkata, 2020 India.

	• • • • •	 Co-Chair Person "XVth DGSI, International Geography Online Conference on C Disaster and Sustainable Livelihood (Deccan Geographical Society, India) on 26th 2020, organized by Geography Department, University of Allahabad, Prayagraj. Co-Chair Person "Foundation of Practicing Geographer" National Seminar on G Habitat, 26-27 Feb, 2016, S.N. Bose National Center for Basic Science, kolkata 39 Chair Person, International Webinar on 'Challenging in E-Learning Environmen Geography, Karim City College, Jamshedpur, India (02/06/2020) Chair Person, National Webinar on 'Weather and Climate: Impact of Covid-19 I Geography, Karim City College, Jamshedpur, India (18/06/2020) Co-Chair Person ICSSR ERS sponsored two-day national seminar on self-reliand development and environment Dept of Geography, Serampore Girls' college, Uni on 25-26 march 2022 Coordinator "Foundation of Practicing Geographer" Two-day international Semi Changing River Ecosystem, 25-26 Sep, 2021, S.N. Bose National Center for Basis 39 Speaker, National Webinar on 'Covid-19 and its impact on Environment' Dept of Karim City College, Jamshedpur, India (8/5/2020) Guest Speaker: National Webinar on 'Sir Syed Ahmad Khan' on 16th November Society of Bazm-e-Karim, Karim City College, Jamshedpur, India. Member of Advisory Committee; One Day National Seminar on Population Dev Environment, Feb 14, 2015, Dept of Geography, Samsi College, Malda, West Ber 	 ^{28th} November ^{28th} November ⁹ ¹⁰ Dept of ¹⁰ Lockdown' Dept of ¹⁰ ce, sustainable ¹⁰ versity of Calcutta ¹¹ inar on River ¹¹ Science, Kolkata ¹¹ Geography, ¹² 2020 organized by ¹¹ elopment and
Editorial Board member of the Journal	•	Editorial Board Member and Associate Editor (from time to time) at SN Social Springer https://www.springer.com/journal/43545 Board Review Member at ACTA AS Agriculture Journal, <u>www.actascientific.com</u> Editorial Board Member at Medicon Agriculture Journal https://themedicon.com/	l Sciences, n/ASAG-RB.php
Field Survey in- charge of2-Year and 5-Year Integrated M.A./M.Sc students	• • • • • • • • •	 2-Year and 5-Year Integrated M.Sc. (2014), Ranchi City 2-Year and 5-Year Integrated M.Sc. (2015), Ranchi City. 5-Year Integrated M.Sc. (2012), Saltlake, Kolkata 5-Year Integrated M.Sc. (2013), Kalyani Municipality 5-Year Integrated M.Sc. (2014), Barasat Municipality 5-Year Integrated M.Sc. (2015), Beripur municipality 5-Year Integrated M.Sc. (2016), Bashirhat 5-Year Integrated M.Sc. (2018), Santiniketan Bolpur 5-Year Integrated M.Sc. (2019), Tajpur Beach, Digha 	
	S.N	Committees and Administrative post	Duration
University Administrative Works Experiences	. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10 11 12 13 14	HoD (officiating), Department of Geography, AUSuperintendent of Aliah University Girls Hostel, AUChairman of DRC Committee of Geography department, AUCoordinator of DRC Committee of Geography department, AUChairmen of Board of Study, Dept of Geography, AUCoordinator of RS&GIS Lab in Geography department, AUCoordinator for Lab Equipments/Instruments, in Geography department, AUCoordinator of Class Time Table, in Geography department, AUCoordinator of Marks Entry PG, in Geography department, AUMember of DRC Committee, Department of Geography, AUMember of SC Committee, Department of Geography, AUMember of Anti Ragging Squad Committee, Aliah UniversityMember of Anti Ragging Committee, Aliah University	2013-2015 2010-2013 2013-2015 2015-2016 2014-2016 2011 till date 2019 till date 2011 till date 2011-2012 2013-2014 2012-2013

	15	Member of Hostel Management Committee, Aliah University	2012-2014	
	16	Member of purchasing Committee, Department of Geography, AU	2016 till date	
	17	Member of space Room allotment Committee, Aliah University	2015-2016	
	18	Member of B.Ed. Admission Committee, Aliah University	2015-2016	
	19	Member of Annual Report Preparation, Aliah University	2016 - 2017	
	20	Member of short listing committee of technical assistant in Geography, Aliah University	2015-2016	
	21	Member of Board of Study, Dept of Geography, at Aliah University	2017 till date	
	22	Coordinator to moderate the CBCS Syllabus at Board of Study, Dept of Geography, AU	2017-2018	
	23	Member of purchasing Committee, History Department, AU	2018 till date	
	24	Member of DRC Committee, History Department, AU	2018 till date	
	25	Member of University Examination Committee, Aliah University,	2018 - 2020	
	26	Member of Hostel Management Committee, Aliah University	2018 till date	
	27	Member of university purchasing Committee, Controller of Examination Center,	2018 - 2020	
	28	Member to Organize Shirat-Un-Nabi at park circus campus, Aliah University,	2018-2019	
	29	Member of Centre for Research and Analysis, Aliah University	2019 till date	
	30	Member of Grievance Cell, Aliah University	4/3/21 till date	
Computer Skill	Image Processing: (ERDAS 8.5, Ermapper 7.1), GIS (Geographic Information System): ArcGis 9.1 with extension, ArcView 3.2., MapInfo, 11, GPS (Global Positioning System) Germin 3.			

Books published

S. No.	Title with page nos.	Type of Book & Authorship	Publisher & ISSN/ISBN No.	Name of Authors
1	Habitat, Ecology and Ekistics: Case Studies of Human-Environment Interactions in India'	Edited Book	Springer Nature Switzerland AG Chem, 2020 AG. ISSN 1879-7180 ISBN 978-3-030-49114-7	Rukhsana, Haldar, Alam & Satpati
2	Agriculture, Environment and Sustainable Development: Experiences and Case Studies	Edited Book	Springer Nature Switzerland AG Chem, 2022 AG ISBN-978-3-031-10405-3	Rukhsana, & A. Alam
3	Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India,	Edited Book	Springer Nature Switzerland AG Chem, 2020 AG. ISBN -978-3-030-69333-6).	Rukhsana, & A. Alam
4	Food Security and Rural Development in western Uttar Pradesh (pp.1-277 excluding table contents etc)	Research Book	(USA), Lulu book Publication, (Hillsborough St, Raleigh) Laxmi Book publication, Solapur- 413005, Maharashratra. ISBN- 978-1-329-64289-8 (2015),	Rukhsana
5	The Dynamics of Spatial Urban Expansion-Kolkata (pp.1-172)	Research Book	ISBN- 978-3-8473-7232-5 (2012) Published by,LAPL Academic Publishing, Germany Printed by, In USA	Rukhsana; J Sheikh and (Ed. by) Sarkar H

6	Groundwater Modeling: RS & GIS Perspective: groundwater zone prediction (pp. 1-90)	Research Book	ISBN -978-3659-487309 (2013), Published by LAPL Academic Publishing, Germany Printed by USA	S. Nooruddin and Rukhsana edit by H. Sarkar
7	Population pressure and Urban Sprawl in selected Municipality of Kolkata Metropolitan Area: West Bengal	Paper	In eBook by Rukhsana, Haldar, Alam & Satpati (Edited) 2020, <u>Springer</u> International Publishing AG, Cham. ISBN 978-3-030-49114-7	Rukhsana and Md. Hasnine
8.	An Overview of the Concept of Habitat, Ecology and Ekistics	Chapter	In eBook by Rukhsana, Haldar, Alam & Satpati (Edited) 2020, <u>Springer</u> International Publishing AG, Cham. ISBN 978-3-030-49114-7	Rukhsana, Haldar, Alam & Satpati
9.	Assessment of Carbon Footprint Across Households In Selected Ward of Kolkata Municipal Corporation	Chapter	In eBook by Rukhsana, Haldar, Alam & Satpati (Edited) 2020, <u>Springer</u> International Publishing AG, Cham. ISBN 978-3-030-49114-7	Rukhsana and F. Mollah
10	Problem and prospects of Urban Agriculture: A case Dhapa in Kolkata	Chapter	Environment Degradation and Disaster: A vision Plan for Sustainable. ISBN 978-93-80736- 25-9. 2016. (1) pp316-323	Md. Hasnine and Rukhsana
11	Land Suitability Appraisal for the Growth of Potato Cultivation: A Study of Sagar Island, India.	Chapter	Sustainable Development Practices Using Geoinformatics, (111–126) © 2021 Scrivener Publishing LLC (Wiley Online Library), 2020	Molla, S.H., Rukhsana., Alam, A.
12	Spatio Temporal Analyses of Rice Productivity Regions in Koch Bihar District, (WB),(pp. 203- 213)	Chapter	Life and Living through Never Spectrum of Geography, eBook,Mohit Publication, New Delhi, India, 110002, 2015 9788174456908	Rukhsana and Asraful Alam
13	Human Development Index in Rural Habitat: A case study of Ballabhpur village, Birbhum, West Bengal,(pp-154-174)	Chapter	Life and Living through Never Spectrum of Geography, eBook,Mohit Publication, New Delhi, India, 110002, 2015 9788174456908	Rukhsana and Jumafuddin S.
14	Sustainable Smart City Planning Using Spatial Data and Risk Reduction: A Case Study on Siliguri Municipal Corporation	Chapter	In eBook by Saeid E. & Faezeh E. (Edited) 2022 in Disaster Risk Reduction for Resilience, <u>Springer</u> International Publishing AG, Cham. ISBN – 978-3-030-72195-4	Rukhsana, A. Alam, A. Khan, and N. Ghosal
15	Nature and Dimensions of Agriculture, Food and Nutrition Security,	Chapter	In eBook by Rukhsana, & Alam (Edited) 2021Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India, <u>Springer</u> International Publishing AG, Cham.	Rukhsana & A. Alam

			ISBN -978-3-030-69333-6).	
16	Impact of Microclimate on Agriculture in India: Transformation and Adaptation	Chapter	In eBook by Rukhsana, & Alam (Edited) 2021 Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India, <u>Springer</u> International Publishing AG, Cham. ISBN -978-3-030-69333-6).	Rukhsana, A. Alam& I. Mandal
17	Household analysis of Crops Diversification and Socio-Economic Classifications of Agriculture Practitioners	Chapter	In eBook by Rukhsana, & Alam (Edited) 2021 Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India, <u>Springer</u> International Publishing AG, Cham. ISBN -978-3-030-69333-6).	Rukhsana & A. Alam
18	Land suitability evaluation for agricultural crops in selected blocks of South 24 Parganas District, West Bengal	Chapter	In eBook by Rukhsana, & Alam (Edited) 2021 Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India, <u>Springer</u> International Publishing AG, Cham. ISBN -978-3-030-69333-6).	Rukhsana & Sabir.M.
19	Agriculture Production, Trends and cropping pattern of Major Crops in Western Utter Pradesh	Chapter	In eBook by Rukhsana, & Alam (Edited) 2021 Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India, <u>Springer</u> International Publishing AG, Cham. ISBN -978-3-030-69333-6).	Rukhsana
20	Assessment of Food Security Using Geospatial Techniques in Rural India: A study from Koch Bihar, West Bengal	Chapter	In eBook by Rukhsana, & Alam (Edited) 2021 Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India, <u>Springer</u> International Publishing AG, Cham. ISBN -978-3-030-69333-6).	A. Alam, Rukhsana and L.N. Satpati
21	Problem and Prospect of Food Security in India	Chapter	In eBook by Rukhsana, & Alam (Edited) 2021 Agriculture, Food and Nutrition Security: Case Study of Availability and Sustainability in India, <u>Springer</u> International Publishing AG, Cham. ISBN -978-3-030-69333-6).	Alam, Rukhsana and Sabir H.M.
22.	Agriculture, Environment and Sustainable Development: An Overview (pp 3-9)	Chapter	In eBook by Rukhsana, & Alam (Edited) 2022 Agriculture, Environment and Sustainable Development: Experiences and Case Studies, Springer International Publishing AG, Cham. ISBN -978-3-031-10405-3.	Rukhsana and A. Alam

23	Spatio-Temporal Analysis	Chapter	In eBook by Rukhsana, & Alam	Sabir H. M., and
	of Built-Up Area	_	(Edited) 2022 Agriculture,	Rukhsana
	Expansion on Agricultural		Environment and Sustainable	
	Land in Mousuni Island		Development: Experiences and Case	
	of Indian Sundarban		Studies, Springer International	
	Region		Publishing AG, Cham.	
	Pp 91-104		ISBN -978-3-031-10405-3.	
24	Levels of Agriculture	Chapter	In eBook by Rukhsana, & Alam	Rukhsana,
	Development and Crop	_	(Edited) 2022 Agriculture,	A.Alam
	Diversification: A		Environment and Sustainable	
	District-Wise Panel Data		Development: Experiences and Case	
	Analysis in West Bengal		Studies, Springer International	
	Pp 105-117		Publishing AG, Cham.	
	*		ISBN -978-3-031-10405-3.	

Research, Publications at National as well as international level

S. No.	Title with page nos.	Journal	ISSN/ISBN NO.	Name of Authors
1.	Green Manufacturing: Progress and Future Prospect	Module in Materials Science and Materials Engineering	Volume 3 pp 501-512 <u>Elsevier</u> , 2019, ISBN 9780128035818	A.Das, Rukhsana and Paramita Chatterjee
2.	Carbon Footprint Reduction Instrument	Module in Materials Science and Materials Engineering	Volume 3 pp 300-311 <u>Elsevier</u> , 2019, ISBN 9780128035818	Sk.M.Haque, A.Das, Rukhsana
3.	An Analysis of Urban Sprawl and prediction of future urban town in urban area of developing nation: case study in India (pp 909– 920)	Journal of the Indian Society of Remote Sensing, © 2020 Springer Nature Switzerland AG (pp 909–920)	ISSN-0255-660X, Vol. 48, Issue 5, May 2020 Impact factor 1.99	Hasnine M., Rukhsana
4	Measurement of Food Security and its determinants in Developing Economy- an Empirical Observation (PP.483-494)	Asian Profile, Asian Research Service, Canada.	ISBN 030-48675, (Vol. 38, No-5, October 2010) (PP.483-494)	Rukhsana
5	Dimension of Food Security in Selected State-UP'(pp.29-41)	Journal of Agricultural Extension and Rural Development (JAERD), Africa	ISSN-2141-2154,(Vol. 3(2)., February 2011)	Rukhsana
6	Regional Imbalances in the Dimensions of Rural Development,(PP.135-141)	The Indian Journal of Regional Science , Kolkata, India,	ISSN-0046-9017, Vol. XXXXI, No.2, 2009,	Rukhsana

7	Trends of Population Growth and Food Supply: An Analyses of Western Uttar Pradesh, (pp. 66-73)	Indian Journal of Regional Science , Kolkata, India,	ISSN-0046-9017, Vol. XXXXIV, No.2, 2012,	Rukhsana	
8	Present Status and Regional Disparities of Food Security in West Bengal pp.141-153	Asian Profile, Asian Research Service, Canada.	ISBN 030-48675 Volume 45, No 02, 2016	Rukhsana and A Alam	
9.	Disparities of Socio Economic Conditions in Rural Urban Fringe of English Bazar Municipality: Malda A case study Pp 445-458	Asian Profile, Asian Research Service, Canada.	ISBN 030-48675 Volume 44, No. 5, 2016	Rukhsana Jumafuddin Shiekh	
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21	Human Development Index of Gokulpur Village Dakshin Dinajpur, West Bengal (pp 188-198)	International Research Journal of Human Resources and Social Sciences, (IRJHRSS) Pakistan	ISSN 2349-4085,Vol-1, Issue-4, sep.2014,	Rukhsana, Jumafuddin S. and R. Sarkar
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24	Regional Pattern of Agricultural Development and Food Security in Koch Bihar District, West Bengal, India,(pp 378-395)	Geographical Review of India, Kolkata, India	ISSN 0375-6386,2014, vol.76. issue 04.(pp 378-395)	A. Alam and Rukhsana
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27	Urban Agriculture and Sustainable Development: A case Dhapa in Eastern Kolkata	International Journal of Spatial Science and Economic Research	3 (8) 3731-3745.	Md. Hasnine and Rukhsana (2018).	
28	Micro and macro level analysis of Crop Diversification: Evidence from agrarian state	Indian Journal of Economics and Development	Vol. 16, No.04, December 2020, Pp 489-499 ISSN 2277-5412 ISNN 2322-0403	Rukhsana	
29	Modeling of Potential sites for Residential development at south Peri-Urban of Kolkata	S. Monprapussorn et.al. (eds) Geoinformatics for Sustainable Development in Asian Cities,	pp149,in <u>Springer</u> Geography. 978- 3-030-339005 Springer, 2019	Rukhsana and Md. Hasnine	
30	Cities, Population Density Mapping Based on Built up Area Using Geo-Eye Image and Enhancing the		, Kuala Lampur, Malaysia 16-21 June 2014, ISBN 97892853-21-9, ISSN 2308- 3441	Rukhsana and Sarkar H.	
31	Analysis of Food grains and Cash Crops Productions in western UP, (pp-153)	Resource Development and Environmental Challenge, by A. Munir and H. Rahman of Food Security and Agriculture, 2010, AMU, Aligarh	ISBN-978-81-8069-897-2, Vol1	A. Munir and Rukhsana	
32	Problems of Saltpan in Mira Bhayandar (West), Maharashtra, (pp-101)	Resource Development and Environmental Challenge, by A. Munir and H. Rahman of Food Security and Agriculture, 2010, AMU, Aligarh	ISBN-978-81-8069-897-2, Vol1	Sarkar H. and Rukhsana	
33			https://doi.org/10.1007/s12524-021- 01441-3, Novemer 2021 Impact factor 1.99	Rukhsana, Molla, S.H.	
34	An Assessment of Disparities in Diversity of Crop at Block Level in West BengalActa Scientific Agriculture (ASAG) (ISSN: 2581-365X)		Volume 5, Issue12 (2021): 03-09.	Rukhsana	
35	Comparative Analysis of Educational Development and Socioeconomic Status: A Case Study of Kolkata Municipal Corporation	Indian Journal of Economics and Development Indexed in Scopus UGC Approved (UGC- Care List Group II)	Volume 18 No. 3 (July-September, 2022)	Rukhsana and Mili Basak	

Papers presented in Conferences & Seminars at the National as well as international level.

S.No	Title of the Paper presented	Title of Conference/Seminar	Organized by	Whether International/n ational /state/regional/ college or university level
01	Population Density Mapping Based on Built up Area Using Geo-Eye Image and GIS Technique: Saltlake City, Kolkata	Engaging the Challenges Enhancing the relevance, Maps and Map Production- New ways Froward 16-21 june 2014,	The XXV FIG International Congress 2014, in Kuala Lampur, Malaysia	International
02	Modelling of Potential Sites for Residential Area at South East Peri-Urban of Kolkata"	GeographyandGeoinformaticsforSustainableDevelopmentfrom19-20 July 2018	Department of Geography, Srinakharinwirot University Bangkok, Thailand for attending (ICGGS 2018)	International
03	LiDAR Imagery and its Critical Evaluation for Vegetation Management and Transmission Power lines	Conference on map India Feb 6- 3, 2008	Grater Noida (UP), India	International
04	Analyses of Food Security: A Case Study (Best Paper Award)	Resources Development and Environmental Change Emerging Issues and Challenges 27-29 Jan -2009,	Department of Geography, Aligarh Muslim University, Aligarh (UP)	International
05	Foodgrains Production and Population Growth: An Indian Experience	Resources Development and Environmental Change Emerging Issues and Challenges, 27-29 Jan -2009,	Department of Geography, Aligarh Muslim University, Aligarh (UP)	International
06	Pattern of Urban energy utilization: A case study ward no.33 KMC (WB)	International on Urbanization and Regional Sustainability Jan 28-30, 2016,	Dept. of Geography, University of Calcutta,	International
07	Trend and Pattern of Urbanization: A case study Santipur, Municipality, Nadia district, West Bengal	Institute of Indian Geographer (IIG) 35 th Indian Geographers' Meet & International Conference, November 11 -13, 2013,	Dept. of Geography, The University of Burdwan, West Bengal, India	
08	Micro Level Analysis of Food Security and Agricultural Development: A Case Study	Institute of Indian Geographer (IIG) 35 th Indian Geographers' Meet & International Conference, November 11 -13, 2013	Dept. of Geography, The University of Burdwan, West Bengal, India	International

09	Water Pollution: A Case Study, Ohkhla Locality (New Delhi)	Association of Geographers' India (NAGI) Regional Development: Vision 2020 Nov.5 - 7, 2004	XXVI Indian Geography Congress M.D. University, Rohtak, Haryana	National
10	Agricultural Development and Food Security: A case study	Congress on the Planet Earth A Blue Print for Survival (Association of Geographers' India (NAGI) 19-21 December 2008	XXXth Indian Geography Congress Department of Geography, University of Allahabad (UP).	National
11	The Impact of Environment on Food grains Availability: A case study of UttarUrban and Rural Environmental Managemen (UGC & DRC Prgramme) Department of Geography, AMU, Aligarh March 2-3, 2006,		Department of Geography, UGS, DRS, Programme, AMU, Aligarh	National
12	Regional Variation in Foodgrains Availability in Western Uttar Pradesh	Development and Resources Management, National Association of Geographers' India (NAGI): Nov. 19-21, 2007,	XXXth Indian Geography Congress M.D. Department of Geography University, Udaipur	National
13	Spatio-Temporal Analysis of Food Supply and Agricultural Development in Western UP	atio-Temporal Analysis of od Supply andEnvironmental Challenge and Sustainable Development:Department of Geography, UGS, DRS, Programme, AMU, Aligarh		National
14	Literacy Index of Scheduled Tribe Population in KochSocio-Economic Environment of the Tribes of India withDepartme Turku Ha		Department of Geography Turku Hansda Lapsa H. M., Birbhum, West Bengal, India	National
15	The Necessity of the history for Evolution of Geographical Thought	Men and Moments as interactive forces in Indian History, Feb 11, 2015,	Department of History, Aliah University, kolk-14, West Bengal, India	National
16	Spatio-Temporal Analysis of Agriculture Productivity in Cooch Behar District	UGC Sponsored national seminar on Regional Dimension of Social development in India, , 17-18 Feb 2017	Dept. Of Geography, Shaheed Khudiram college, WB	National
17			Dinajpur, WB	National
18	Assessment of Carbon Footprint in Kolkata city	Geography as a SpatialDept. Of GeographyScience: Contemporary issuesAliah Universityand ChallengesKolkata-148-9 March 2019		National
19	Assessment and dynamics of Urban Sprawl in selected municipality of KMC	Geography as a Spatial Science: Contemporary issues and Challenges 8-9 March 2019	Dept. Of Geography Aliah University Kolkata-14	National

20	Scio Economic Status of Rural Urban Fringe Village: A case study of Kalyani Municipality, Nadia District	Geography of Habitat "Foundation of Practicing Geographer", 26-27 Feb,, 2016, S.N.	Bose National Center for Basic Science, Kolkata 39	National
21	An Analysis of Urban Sprawl and prediction of future urban town in urban area of developing nation: case study in India	XIV International Geographical Union (IGU) 6/8/2020	Dept of Geography, University of Burdhaman-	International
22	Urban Sprawl and its impact on land use changed in Kolkata	ICSSR ERS sponsored two- day national seminar on self-reliance, sustainable development and	environment Dept of Geography, Serampore Girls' college, University of Calcutta	National

Participation in webinar at National as well as international level

S.No.	Title of the Paper presented	Title of Conference/Seminar	Organized by	Whether International/nation al /state/regional/colleg e or university level
01	Participated	COVID 19 Pandemic: its impact on Environment, Economy and Society	Kanpur University Academic Association, U.P. (KUGAA) 31/05/2020	National
02	Participated	Biodiversity and Ecosystem	Kanpur University Academic Association, U.P. (KUGAA) 05/06/2020	National
03	Participated	COVID 19 and Population Migration: Socioeconomic impact	Indira Gandhi National Tribal University Amarkanta, NSS cell of this university, M.P. 07/07/2020	National
04	Participated	Post Lock Down Political and Economic Situation in the context of COVID 19: An Analytical Discussion	Department of Political Science, Panchmura Mahavidalaya, Bankura University, 6-7/07/2020	International
05	Participated	Economic impact of COVID 19 in India	Department of Economics, Aliah University, Kolkata (W.B.) 6-7/06/2020	International
06	Participated	Impact of COVID 19 pandemic on education and socio economic development: challenges and best practice	Department of Education, Aliah University, Kolkata (W.B.) 18-19/07/2020	International
07	Participated	Issues of Minorities and Dalits in Contemporary India	Dewan Abdul Gani College Harirampur, Dakhin Dinajpur (WB) 7/7/2020	National

Organized Programme

SI. No.	Date, year	Name of the workshop/ seminar	Торіс	Speakers	Level (State/National/I nternational)	Partici pants	Remarks
1	11/03/2020	International Webinar	on Progress and Dimensions in Geographical Research	 Prof(Dr.) Takashi Oguchi Center for Spatial Information Science University of Tokyo, Japa Dr Aniil Kumar Scientist, Head PRSD, ISRO Prof(Dr.) Yuei-An Liou Center for Space and Remote Sensing Research National Center University Taoyuan City, Taiwan Prof. (Dr.) Surya Kant Department of Geography Punjab University, Chandigarh 	International	466	Secretory
2	08/03/2019- 09/03/2019	National Seminar	Geography as a Spatial Science: Contemporary Issues and Challenges	More than 200 presenters from different regions.	National	237	Coordinat or
3	21/03/2015	One day Special lecture series	Modern Concept in Geography	Professor L.N. Satpati Dept of Geography, University of Calcutta	State	110	Chairman
4	21/03/2015	One day Special lecture series	Modern Concept in Geography	Professor Sunando Bandyopadhyay, Dept of Geography, University of Calcutta	State	110	Chairman
5	21/03/2015	One day Special lecture series	Trends of Urbanization in the Era of Globalizations	Professor Gopa Samanta, Dept of Geography, University of Burdwan	State	110	Chairman
6	10.01.2019	Dr. K. Kalita,	Stressfulness Vs Mindfulness	Associate Professor, Tinsukia College, Assam	International	65	Chairman
7	9-1-2019	Special Lecture	Saving Dead	by Dr. Rajendra Singh Social Worker ,Water Man of India	National	75	Chairman
8	22-03-2022	One Day Seminar	World Water Day	By Dr. Ashwani Kumar Associate Professor CEPT University, India Topic: Water Sensitive City Planning DR. Hemant Kumar Pandey Associate Professor Dept of Civil Engineering Motilal Nehru National Institute of Technology, India Topic: Tackling the issues related to ground water and exploring the options	International	100	Convener

Design of new curricular curricula and courses

S.No.	Description	Year
01	CC 9 – Economic Geography	(2019), Aliah University)
02	CC 10 – Remote Sensing	3 (b).1
03	CC 12 – Research Methodology and Field Work	,,
05	CC 14 – Field Base Project	22
06	DSE 1 Urban Geography	,,
07	GE3 Economic Geography	,,
08	DSE 1 Agriculture Geography	,,
	(2017), Aliah University)	
09	GE 303 Populations and Settlement Geography_UG	3 (b).1
10	GE 372 Urban Field Work and Report_UG	"
11	GE407 Economic Geography_PG	,,
12	GE 408 Demography and Ekistics_PG	"
13	GE 501 Political and Electoral Geography_PG	"
14	GE 507 Environmental Issues in Geography_PG	"
15	GE 502 Special Paper (Theory)-I Population_PG	"
16	GE 504 Special Paper (Theory)-II Population_PG	22
17	GE 502 Special Paper (Theory)-I Urban_PG	"
18	GE 504 Special Paper (Theory)-II Urban _PG	"
19	GE 201Geography of Resources_UG	,,
21	GE303 Population and Settlement Geography_UG	"
22	GE393 Remote Sensing and GIS_UG	,,
23	GE302 Regional Development and Planning_UG	"
24	GE304 Geographical Thought_UG	,,
25	GE 501 Political and Electoral Geography	,,

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Place: Kolkata

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