

Department of General and Applied Geography

School of Applied Sciences
Dr. Harisingh Gour Vishwavidyalaya
(A Central University)
Sagar, MP. 470003. India

RESEARCH, INNOVATION AND EXTENSION

Thrust areas of research

The rapidly changing consumption patterns have resulted many worldwide problems viz. climate change, environmental sustainability, depletion of biodiversity, pollutions, increasing population, squatter urban settlements, water and food supply system etc. All these concerns are the result of changing man-environment interface and have spatial dimensions. So this is the responsibility of geographers along with other concerned scientists to ascertain the possible causes and consequences of these changing phenomena over the only live planet in the entire known universe. Thus, geography encompasses the major thrust areas of research which have the possible answers to all these issues:

The major thrust areas in geography are as follows:

- Tropical Geomorphology
- Palaeo-Climatic Studies
- Cryospheric Changes & Snow and Glacial Monitoring in the Himalayas
- Climate Change Studies
- Remote Sensing and GIS Applications
- Population, Health and Development
- Eco-tourism and Social Well-being
- Regional Development and Planning
- Urban Planning and Development
- Environment and Sustainable Development

Table: Research Scholar currently pursuing Ph.D in the department

S. N.	Research Scholar	Research Area	Research Supervisor	Photo
1.	Rahul Mishra Registration no: Y19444502 Email: rmishra0703@gmail.com Contact: 917477004927	Fertility Behaviour and Well Being	Dr. Hemant Patidar	
2.	Kundan Parmar Registration no: Y19444501 Email: Kundanparmar458@gmail.com Contact: 9685435317	Tropical Water Resources	Dr. Satheesh C.	
3.	Jeetendra Kumar Patel Registration no: Y19244002 Email: jeetendrap269@gmail.com Contact: 8827062403	Tourism & Applied Geography	Dr. Raj Bahadur Anuragi	
4.	Kaluram Chouhan Registration no: Y19244003 Email: karanchouhan21@gmail.com Contact: 9977650262	Regional Development and Planning	Dr. Pawan Kumar Sharma	
5.	Brijendra Mani Tripathi Registration no: Y19244001 Contact:			
6.	Sonal Shrivastava Registration no: Y20244001 Email: sonal95sri@gmail.com Contact: 8960200721	Regional Development and Planning		
7.	Ganga Sagar Bhagat Registration no: Y20244002 Email: gngsgrbhagat@gmail.com Contact: 7354968439	Cryosphere and Water Resource Assessment		

Ph. D. Produced in the department

The department has produced **146** Ph. D. so far since its inception in 1953 and currently 7 research scholars are pursuing their Ph. D. from the department.

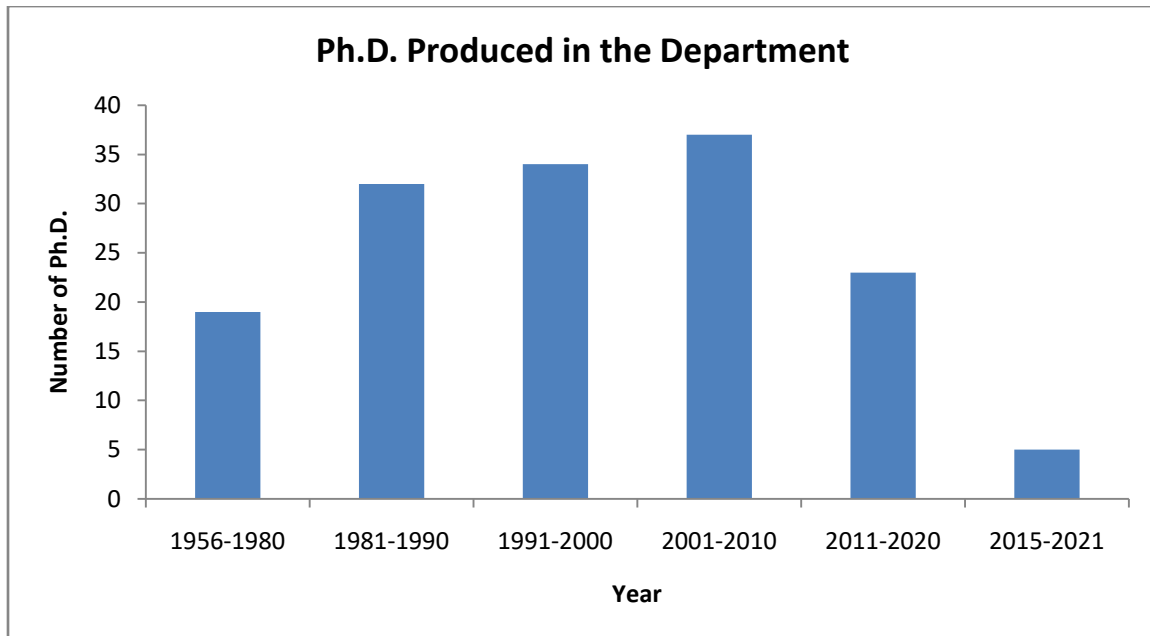


Table: List of Ph. D. produced from the Department from 1956 to 2020

S. No.	Research Scholar	Year of Award	Topic
1	V.C. Misra	1956	Economic & Agricultural Geography of Oudh.
2	P.C. Agarwal	1960	Human Geography of Bastar District.
3	N.P. Ayyar	1961	The Agricultural Geography of the Upper Narmada Basin Comprising the Districts of Jabalpur and Mandla, Madhya Pradesh.
4	A.N. Singh	1966	Bhopal: Its Changing form and Functions.
5	J.P. Saxena	1967	Agricultural Geography of Bundelkhand.
6	H.S. Sharma	1970	Physiography of the Lower Chambal Valley & Its Agricultural Development.
7	R.K. Rai	1970	Geomorphology of the Sonar-Bearma Basin, Madhya Pradesh.
8	Y.G. Joshi	1971	Agricultural Geography of Narmada Basin.
9	R.K. Shukla	1971	Land use in the Tawa Basin.
10	R.S. Dubey	1974	Population of the Rewa Plateau: A Geographical Analysis.
11	S.K. Sharma	1975	Changing Pattern of Resources in the Baghelkhand Plateau, Madhya Pradesh.
12	S.K.Shukla	1977	Location of Industries in the Madhya Bhart

			Plateau,
13	C.B. Mishra	1977	Changing Pattern of the Resource Use in the Eastern Satpura.
14	Kailash Choubey	1977	Environment & Nutritional Deficiency Diseases in Malwa Plateau.
15	J.L. Jain	1979	The Growth & Distribution of Towns in the Malwa Plateau.
16	D.S. Shrivastava	1979	Suburban Development in Madhya Pradesh: A Case study of Class I Cities of the State.
17	V.K. Tiwari	1979	Population of Betul-Chhindwara Plateau: A Geographical Analysis
18	P. Soni	1980	Geomorphology of the Rewa Plateau.
19	Peter Charan	1980	Urbanization in the Narmada Valley, M.P.
20	L.P. Baghel	1982	Geomorphology & Settlements in Lower Ken Basin.
21	P.D.Tiwari	1983	Agricultural and Nutritional Level in Rewa Plateau.
22	N.S. Rajput	1983	Location of Industries in Western Malwa Plateau.
23	Archana Bhargava	1983	Resources & Planning for Economic Development of Sagar Division.
24	R.P.Mishra	1983	Population & Food Supply in Madhya Pradesh.
25	Indira Sharma	1983	Pressure of Population and Agriculture Resources of Sagar-Damoh Plateau, Madhya Pradesh.
26	C.K. Jain	1984	Patterns of Agricultural Development in M.P.: A Geographical Analysis.
27	R.K.Shrivastavi	1985	Industrial Location and Growth of Class I Cities of Madhya Pradesh.
28	R.C. Rahangdale	1985	Urbanization in Jabalpur Division: A Geographical Study.
29	G.P. Swarnkar	1985	Rural Female Working Population of Madhya Pradesh. : A Case Study in Population Geography.
30	Rekha Jain	1986	Food Crop Productivity in Madhya Pradesh.
31	Rolee Shanker	1986	Industrialization and Its Impact on the Regional Development of Madhya Pradesh.
32	Pushpa Agnihotri	1987	A Geographical Study of Slum Districts in Class I Cities of Madhya Pradesh.
34	S.Q.Qureshi	1988	Development in Madhya Pradesh: A Study in Regional Development With Special Reference to Western Madhya Pradesh
35	Abha Tiwari	1988	Demographic Structure of Gwalior City: A Geographical Analysis.
36	R.N. Choube	1988	Population & Food Supply in Uttar Pradesh.
37	G.C. Singhai	1988	Frequency of Environment & Nutritional Deficiency Health Hazards in Sagar Division, Madhya Pradesh.
38	B.K. Rai	1988	Agriculture, Nutritional Level & Rural Health in

			the Upper Narmada Basin, Madhya Pradesh.
39	A.K. Jain	1988	Marketing in an Agricultural Region of Periodic Markets in Vidisha Plateau, Madhya Pradesh: A Geographical study
40	Rita Verma	1988	Socio-economically Backward Classes in Madhya Pradesh: A Geographical Study of the Scheduled Castes and Scheduled Tribes.
41	Geeta Gupta	1989	Geomorphology of the Son Basin in Madhya Pradesh.
42	S.K. Goil	1989	Geomorphic Evolution of the Maikal Plateau.
43	R.K.Deolia	1989	Ecology & Spatial Distribution of Medicinal Plants in Upper Narmada Basin.
44	SushilaDwivdei	1989	Evaluation of Land Resource& Land use in the Rewa Plateau, Madhya Pradesh.
45	S.K. Bharati	1989	Urbanization in Chhattishgarh Region.
46	K.C. Patel	1989	Agricultural Land use and Nutrition in Sagar-Damoh Plateau
47	Devendra Sahu	1989	Environmental Pollution and Its implications in Sagar District
48	O.P. Dubey	1990	Agricultural Development & Nutritional Dimensions in Sagar Division, Madhya Pradesh.
49	H.G.Rai	1990	Urban Growth Trends and Patterns of Urban Development in Madhya Pradesh.
50	O.P. Dubeyy	1990	Agricultural Development & Nutritional Dimensions in Sagar Division, Madhya Pradesh.
51	Ramakant Bohare	1990	Level of Poverty, Unemployment in the Rural Areas of Sagar District.
52	Ratan Mazumdar	1990	Spatial Relations and Economic Development of the Andaman Islands.
53	Malkhan Singh	1992	Development of Agricultural Resources in the Bhopal –Vidisha Plateau, Madhya Pradesh.
54	Malti Devi	1992	Impact of Irrigation & Farm Mechanization on Crop Output In Selected Areas of Madhya Pradesh.
55	Alka Tiwari	1992	Assessment of Water Resources and Their Utilization in the Upper Betwa Basin, Madhya Pradesh.
56	NeelooKhare	1992	Geographical Patterns of Urban Pollution: Case Studies in Cities of Madhya Pradesh.
57	Savita Jain	1992	Educational Levels in Madhya Pradesh : A Geographical Analysis.
58	Rekha Jain	1992	Urban Growth and Quality of Life: A Geographical Study in Cities of Madhya Pradesh
59	Manju Nair	1992	Population & Food Supply in Andamans.
60	Sadhna Vishwakarma	1992	Population, Food and Nutrition in Sagar Division.
61	Rajeeve Kaushal	1992	Population Growth and Family Welfare

			Programme in Seoni Plateau.
62	Anil Kumar	1992	Patterns of Migration in Madhya Pradesh.
63	Seema Tiwari	1992	Ecosystem, Food Consumption Nutrition & Health States of Baiga Tribes in Eastern Mandla, Madhya Pradesh.
64	P.K. Shrivastava	1992	Food Consumption and Nutritional Problems of Rural Population in Chhindwara District, Madhya Pradesh.
65	Sanmat Kumar	1992	Environment and Nutritional Deficiency Diseases of Baghelkhand Plateau.
66	Ajay Kumar Sahu	1992	Nutritional Profile and Health Status of Tribal Children in the Western Satpura Range in Madhya Pradesh.
67	Akhilesh	1992	A Study of Protein Energy Malnutrition and Deficiency Diseases Among Tribal Children in Eastern Satpura Range, Madhya Pradesh.
68	A.K. Jain	1992	Environment, Food Habits and Deficiency Diseases in Tribal Area in Betul- Chhindwara Plateau in Madhya Pradesh.
69	Shivakant Singh	1992	Rural Development Policies and Programmes in Sagar District, Madhya Pradesh: A Geographical Appraisal.
70	Manoj Kumar Soni	1993	Industrialization & Rural Transformation in Indore- Dewas-Ujjain Industrial Triangle Region of Madhya Pradesh
71	D.P. Mishra	1993	Gender Imbalances in the Orchha Upland: A Geographical Analysis.
72	Santosh Kumar Chandravanshi	1994	Determinants of Agricultural Productivity in Chhattisgarh Basin, M.P.
73	T.M. Shukla	1994	Dimensions of Rural Electrification A case study of Sagar region.
74	Jyoti Tiwari	1994	Dimensions of Bidi-making Industry in Sagar Region: A Geographical Study.
75	Manisha Tiwari	1994	Health Care Delivery System in Madhya Pradesh: A Study in Medical Geography.
76	Ramakant Mishra	1994	Industrialization and Environmental Degradation: A Case Study of Jabalpur- Maihar Region.
77	Dharam Das Vishwakarma	1995	Adoption of Agriculture Development Measures in the Chhindwara- Betul Plateau, Madhya Pradesh.
78	Suman Jain	1995	Sagar: A Study in Urban Geography.
79	Satyendra SinghYadav	1995	Upper Narmada Valley: A Diagnostic Survey & Geographical Study in Environmental Change.
80	Rajendra Choubey	1996	Geographical Study of Tribal Education in Madhya Pradesh.
81	Rekha Vishwakarma	1998	Geographical study of Diet and Health in Sagar.

82	Shradhdha Chourasia	1998	Rural Development Programmes in Narsinghpur Region: A Geographical Appraisal.
83	Namita Modi	1999	Bidi-making Industry and Rural Development in Damoh Region: A Geographical Appraisal.
84	D.K. Tripathi	1999	Management of Water Resources in the Tons Basin, Madhya Pradesh.
85	J.L. Barmaiya	2000	A Geographical Study of Sex Imbalances in the Maikal Plateau.
86	Ashutosh Gour	2000	Indigenous Health care Delivery System among the Tribals of Betul- Chhindwara Plateau, Madhya Pradesh
87	A.L. Mahovia	2002	Population Growth and Family Welfare Programmes among the Scheduled Population of the Narsinghpur Plain.
88	V.K. Sharma	2002	Nutritional Deficiency among Tribal Population of the Damoh Plateau.
89	Shailendra Kumar Sahu	2002	Rural Development Programmes in Sagar District: A Geographical Appraisal.
90	BhuneshTembhare	2002	Dimensions of Environmental Degradation: A Case study of Balaghat Region.
91	K.P. Rajak	2003	Transformation of Agriculture in the Narmada Valley, Madhya Pradesh.
92	Abhilasha Shukla	2003	Industrialization and Environmental Transformation: A case study of Jabalpur Region, Madhya Pradesh.
93	Prabhati Shukla	2003	Dimension of Fertility in Sagar District: A Geographical Appraisal.
94	Shyam Choubey	2003	Study of Family Welfare Programmes in Sagar District: Madhya Pradesh.
95	Abha Tiwari	2003	Health and Nutritional Status among School Children in Damoh Region.
96	Devendra Singh Thakur	2004	Farming of Commercial crops in Madhya Pradesh: Spatio-temporal Dimensions.
97	Sunil Babu Vishwakarma	2004	Transformation of Agriculture in Sagar Division, Madhya Pradesh.
98	Arti Soni	2004	Geomorphic Evolution of the Mudwara Basin.
99	A.S. Dey	2004	Programme efforts and Contraceptive use Dynamics in Madhya Pradesh.
100	Kuldeep Pareta	2005	Geomorphology & Hydrological study of Dhasan Basin, India using Remote Sensing Techniques.
101	Smt. Archana Bhargava	2005	Evaluation Development & Management of Water Resources in the Chhindwara-Betul Plateau.
102	Sonali Vishwakarma	2005	Dimensions of Environmental Degradation: A Case study of Bhopal Region.
103	Archana Bhargava	2005	Evaluation, development and management of water resources in Chhindwara –betul plateau.

104	Ms. Shilpi Chouasia	2007	Occupational structure of population in M. P.
105	Chintaman Kanoriya	2007	Vhdx<+ ftyesa ty lallk/ku dk ewY;kadufodklrFkkizcU/ku
106	Ku. Sulekha Upadhyaya	2007	Evaluation of Rural Development Programmes in Sagar-Damoh Plateau M.P.
107	Smt. Anita Tiwari	2008	Health and Nutritional Status Among School Children in Sidhi District M. P
108	Smt. Anita Katore	2008	Levels of Female Education in M. P.
109	Vivek shukla	2008	Diffusion of AIDS/HIV in Contemporary environment of Chhattisgarh: A study of Medical Geography
110	Saurabh Shrivastava	2008	Urbanization and Transformation of Rural Environment in Jabalpur Region: A Geographical Appraisal
111	Jagdish Pd. Shrivastava	2008	Development Programs and Transformation of Tribal Environment of Mandla-Dindori Region M.P.: A Geographical Appraisal
112	Sanjeev Kumar Rajoriya	2008	Water and resource management in sagar district M. P.
113	Sanskriti Samaiya	2009	Need, Availability and Management of Water Resources in Raisen District M.P.
114	Parul Pathak	2009	Food & Nutrition Availability in M.P. with Special Reference to Tribal Population
115	Sunil P. Patil	2009	Geo-Medical Study of HIV/AIDS in Goa State: A Study of Tourist Area
116	Sanjay Singh Chouhan	2009	Geo-Medical Analysis of HIV/AIDS Pattern in Madhya Pradesh: A Study in Medical Geography
117	Chhaya Pandey	2009	Geo-Ecological Study of The Forest Flora of Central Madhya Pradesh, India, with Remote Sensing Technique
118	Sanskriti Samiya	2009	Need availability and management of water resources in raisen district M. P.
129	Anad Rao Parchi	2010	cky?kkVftys dh tutkfr;ksaesa [kk] ,oaiks" k.k
120	Nile Uttam Vedu	2010	Dimensions of Rural Transformation in Nandurbar District: A Geographical Appraisal
121	Bhagwandas Kharwar	2010	jk;lsuftyesa d"kh; mRikndrk%fu/kkZj.krRo ,oaij.kke
122	Ramesh Prasad Athiya	2010	Rural Electrification and Transformation of Rural Environment in Damoh District : A Geographical Study
123	Survanshi Arvind Laxman Rao	2010	Contemporary Environment and Spatial Pattern of Malaria in Konkan Division, Maharashtra
124	Pankaj Agarwal	2011	jk;lsuftyesa lkekftd vkfFkZ difjiz {; esaifjokjdY;k.kdk;Zdze dk ewY;kadu
125	Rekha Gupta	2011	lkxjlaHkkxesaekuolalk/ku ds fodkl dh n'kk

			,oafn'kk
126	Mahesh Ahirwar	2011	Regional Disparities in Chhatarpur District
127	Rajesh Soni	2012	A Geological and Geographical Revaluations of Ken-Betwa interlinking system through Remote Sensing/GIS Techniques.
128	Bhagwat Raikwar	2012	lkxjlaHkkx ds lkekftdfodklesa {ks=h; fo"kerk,Wa
139	Vinay Kumar Verma	2012	Development Activities and Transformation of Rural Environment in Bhopal Region: A Geographical Appraisal
130	Akhil Raikwar	2012	ftykneksg ¼e- iz-½ esatula[k o`f) ,oad`f"k; fodkl ,d HkkSxksfyd v/;u
131	M. S. Nigwal	2012	Status of Tribal Agriculture in Dhar District M.P.
132	Suresh Kori	2012	lkxjftyses [kk] ,oaiks"k.k dk Lrj
133	Niklesh Kumar	2012	Geomorphology of the Parwati River Basin
134	Arvind Solanki	2013	Geo-medical Study of Malaria in Tribal Areas of BetulChhindwara Region (M.P.)
135	Prakash Ahirwar	2013	Modernization of Agriculture Determinations a consequences in Sagar District
136	Brahma Dutt Pandey	2014	Hydro-Geomorphological Study of The Bevas River Basin
137	SusmalataDehariya	2014	Development of Tribal Agriculture in Chhindwara, Seoni District
138	Alok Pandey	2014	Dimensions pf Agricultural Transformation in Ambedkanagar
139	Chandra Shekhar Dwivedi	2014	Transformation of Rural Environment in Mahoba
140	Gramima Malviya	2014	lkxjftys ds d`f"kfodklesa ty lalk/kuksa dk izHkko ,d HkkSxksfydfo'ys"k.k
141	Prakash Ahirwar	2014	Modernisation of Agriculture determinants & consequences in district Sagar
142	Kalyan Sunder Som	2018	Fertility patterns and Adoption of Family Welfare Programme in Sagar District
143	Ghanshyam Prasad Jhariya	2018	Agricultural Development and Food Security in Mandala District, MP
144	Rajiv Ranjan Yadav	2020	Problem and Prospects of Industrial Development in Mirzapur District, MP
145	PapriKarmakar	2020	Hydro-Geomorphic evaluation of Panchmadhi Hills Using Remote Sensing
146	Ajay Kumar Verma	2021	Role of Small Scale and Cottage Industries in Rural Development: A case study of Sagar District

Research Projects and Grants

- **DST- FIST Phase-I**

Funding Agency: Department of Science and Technology (DST), Ministry of Science and Technology, Government of India

The department has received a grant of Rs. 55 lakhs from Department of Science and Technology (DST), Ministry of Science and Technology, Government of India during November 2019 to develop Remote Sensing and GIS Lab. for teaching and research.

- **UGC Start Up Project (2014-2016)**

Principal Investigator: **Dr. Pawan K. Sharma**

Project Title: “Micro-Level analysis of spatial variation in the level of development in Western Rajasthan- A Multi-Dimensional Approach”

Funding Agency: University Grant Commission

Funding Scheme: UGC Start Up Grant

Total Amount: Rs. 6,00,000/-

Date of Award: 22nd July, 2014, Year of completion: 2016

- **ICSSR Major Research Project (2018-2020)**

Principal Investigator : **Dr. Pawan K. Sharma**

Project Title: Spatial Variation in the level of development in Bundelkhand region of Madhya Pradesh - A Micro Level Analysis and Planning of Rural Growth Centres for Integrated Rural Development

Funding Agency: ICSSR

Funding Scheme: Major Project

Total Amount: Rs. 6,00,000/-

Year of Award: 2018, Year of completion: 2020

Summary of Publications (2015 to 2021)

Publications (2015 to 2021)	Number
Scopus/UGC CARE/Peer reviewed research papers	73
Chapter in Books	02
Books	09
H-index (Google Scholar) by 15.11.2021	16
I ₁₀ _15.11.2021	02
Total citation (Google Scholar)_15.11.2021	334

Research Publication (2015 to 2021)

Books

Sharma, P.K. (2021) *Geography of Rajasthan* is published by Pareek Publication, Jaipur. ISBN 9788194745686

Mishra, R.N. & **Sharma, P. K.** (2020) *PrayogikBhugolkeMultatva* (Elements of Practical Geography) is Published by Rawat Publication, Jaipur. ISBN 9788131611265

Sharma, P.K. (2019) *Rajasthan ka Bhugol (Geography of Rajasthan)* is Published by Pareek Publication, Jaipur. ISBN 978819221925

Mishra, R.N. & **Sharma, P.K.** (2019) *PrayogikBhugol* (Practical Geography) is Published by Rawat Publication, Jaipur. ISBN 978813161015.

Sharma, P.K. & Sharma S. C. (2019) *Rural development: Readings in Settlement Geography* is Published by English Book House, Jaipur. ISBN 9789385447143

Saraswat et al. and **Saini, Rakesh** (2016) Monitoring Snow and Glaciers of Himalayan Region, Space Application Centre, ISRO, Ahmedabad, India, 413 Pages, ISBN 978-9382760-24-5.

Koshal Rajeev & **Shrivastri, R. K.** Jananakiya Parivartan avamaarthikvikas, GJMS publishers, Jabalpur (M.P.), 2016, ISBN -978-93-85304-4-53-8.

Shrivastri, R. K. & Koshal Rajeev (2016). JansankhyaSamsadhanSahambhandhSanrakshanavamPrabandhan GJMS, publishers, Jabalpur (M.P.), 2016, ISBN -978-93-85304-30-9.

Koshal Rajeev & **Shrivastri, R. K.** (2016). Sustainable Development & Social Change, GJMS, publishers, Jabalpur (M.P.), ISBN - 978-93-85304-31-4.

Shrivastri, R. K. & Koshal Rajeev (2016). Samposhit Vikas evam Samajik Parivartan, GJMS, publishers, Jabalpur (M.P.), 2016, ISBN- 978-93-85304-32-3

Chapters in Books

Pritam Chand, Milap Chand Sharma, Ujjal Deka Baruah, Sanjay Deswal, Syed Umer Latief, **Rakesh Saini, Parvendra Kumar**, Satya Prakash and Pawan Kumar (2019) Shrinking Glaciers of the Himachal Himalaya: A Critical Review, In: Saikia A., Thapa P. (eds) Environmental Change in the Himalayan Region. Springer, Cham, pp 89-115, https://doi.org/10.1007/978-3-030-03362-0_5,

Shrivastri, R. K. Environmental Pollution (2016). A Case Study of Sagar District, Sustainable Development of Social Change, GJMS, publishers, Jabalpur, 2016, ISBN -978-93-85304-31-6, 0459 PP. 1-11.

Research Papers in Journals (Scopus/UGC CARE/Peer reviewed)

2020-21

Deswal, Sanjay; Sharma, Milap Chand, **Saini, Rakesh**; Dalal, Padma; Kumar, Parmod (2020) Preliminary results of hybrid bathymetry and GLOF risk assessment for Neelkanth lake, Lahaul Himalaya, India, *Current Science*, Volume 119, Pages 1555-1557, Impact Factor 0.79

Kumar, Parvendra; Sharma, M.C.; **Saini, Rakesh**, Singh, G.K. (2020) Climatic variability at Gangtok and Tadong weather observatories in Sikkim, India, during 1961–2017, *Scientific Reports (Nature)*, 10(1):15177, DOI: 10.1038/s41598-020-71163-y, Impact Factor 3.998.

Patidar H. and **Chothodi, S.** (2020), Revisiting Urbanisation Pattern amid COVID-19 Pandemic in India, *Space and Culture India* 8(2):14-24. <https://doi.org/10.20896/saci.v8i2.1008>. Scopus cite score (2020) : 1.13

Sharma, P.K. & Sonal Srivastava (2020) “Regional Disparities in the Level of Economic Development in Bundelkhand Region: An Inter-Block Analysis” in the research journal ANNALS (NAGI) ISSN: 0970-972X Vol.40 (1), page 110-128 (UGC CARE listed journal), DOI:

<https://doi.org/10.32381/ATNAGI.2020.40.01.8> <https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101012665&flag=Search>

Sharma, P.K.&Samiul, S.K. (2020) : *Geographical study of Economic Development in Bundelkhand Region, Madhya Pradesh* in The Deccan Geographer, VOL. 57 & 58 Pune ISSN 0011-7269 pp 95-104. (UGC CARE listed journal) <https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101003160&flag=Search>

Sharma, P.K. (2020): *Infrastructural Development In Bundelkhand Region: A Micro-Level Analysis* in Punjab Geographer, Vol.16, Oct.,2020, ISSN 09733485. Page 1-13. A Double Blind Peer Reviewed Journal of APG and ISPER India Indexed in Scopus (UGC CARE listed journal)

Sharma, P.K. (2020): *Disparities in Level of Social Infrastructure Development in Bundelkhand Region (Madhya Pradesh): A Block Level Analysis* in Population Geography- ISSN No.0256-5331 42 (1) June 2020 pp.13-24. (UGC CARE listed journal) <https://ugccare.unipune.ac.in/Apps1/User/WebA/ViewDetails?JournalId=101024185&flag=Search>

Sharma, P.K. (2020) : *Disparities in Level of Development in Bundelkhand Region of Madhya Pradesh: An Inter-district Analysis* in Hill Geographer Vol. XXXVI:I ISSN 0970-5023, pp 71-81 (UGC CARE listed journal)

Sharma, P.K. (2020) : *Demographic Diversities in Madhya Pradesh: An Inter District Analysis* in Madhya Bharti Journal, ISSN0974-0066 Vol.79, pp. 193-202. (UGC CARE listed journal)

Sharma, P.K., Samiul, SK, Nitisha Soni (2020) : *A Geographical Analysis of Literacy and Sex Ratio in Bundelkhand Region of Madhya Pradesh* in the peer reviewed research journal – Parimash- A national Interdisciplinary referred research, ISSN 23954612 (Peer Reviewed), Conjoint Volume, Sep. 2020. Pp 37-43.

2019-20

Stephens, Lucas and Saini, **Rakesh et. al**, (2019) Archaeological assessment reveals Earth's early transformation through land use, Science 30 Aug, 2019: Vol. 365, Issue 6456, pp. 897-902, DOI: 10.1126/science.aax1192, Impact factor, 41.04

Chand P. et al., **Kumar, Parvendra** (2019) Shrinking Glaciers of the Himachal Himalaya: A Critical Review. In: Saikia A., Thapa P. (eds) Environmental Change in the Himalayan Region. Springer, Cham. https://doi.org/10.1007/978-3-030-03362-0_5.

Sharma, P.K. (2019) : *Regional Disparities in The Level of Demographic Development : A District Level Analysis of Bundelkhand Region of Madhya Pradesh, India*; Research Paper published in the peer reviewed research journal – Journal Of Global Resources, vol 5 (2) July

2019, page 29-34 ISSN . 2455-2445 (online) 2395-3160 (print) UGC CARE listed journal in Group D (Peer Reviewed)

Sharma, P.K. (2020) : *Spatial Analysis of Rural Growth Centres in Sagar District, Madhya Pradesh*; Research Paper published in the peer reviewed research journal –Journal Of Global Resources, vol 6 (2) 2020, page 110-117 ISSN . 2455-2445 (online) 2395-3160 (print) UGC CARE listed journal in Group D (Peer Reviewed).

2018-19

Mishra, R. P. “Impact of Family Welfare Programme on Fertility and Its Socio-Economic Determinants in Sagar District” *International Journal of Research in Geography*, Vol. 4(2), April 2018 pp.47-60, (DOI:<http://dx.doi.org/10.20431/2454-8685.0402005>) (ISSN: 2454-8685).

Ghanshyam Jahriya&**C. K. Jain** Factors affecting the adaptation of modern Farm practices in the farmers of Mandla- Dindori Region M.P. *International Journal of Scientific Research and Reviews* pp. 297-304, June 2018, 7(2) UGC listed ISSN no. 2079-0543.

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