

CV of Professor S. P. Singh

Dr. S.P. Singh, Professor in Economics, Department of Humanities & Social Sciences, IIT Roorkee, has been actively engaging in teaching and research in economics for more than 30 years. Besides having contributed a number of research papers, sponsored and consultancy research projects, and supervised Ph.D theses, he has authored/co-authored three books: Planning and Management for Rural Development; Growing Rural-Urban Disparity in Uttar Pradesh; Dynamics of Occupational and Educational Mobility in India. Dr. Singh is a member of several professional societies, the editorial board of several journals, and the Board of Studies of several universities. He has also organized several conferences, workshops, and research methodology courses. His research interests are development economics, rural development, agriculture & water resource economics, and labour economics. He was a team leader for one of the thematic groups of the "Ganga River Basin Management Plan" project awarded to seven IITs by the Ministry of Environment and Forests, Government of India, and also a member of the Professional Institute Network (PIN) constituted by the MORD, Government of India. He also served as chairman of the Multidisciplinary Expert Group, which was formed by the government of Uttar Pradesh, on the social impact assessment of land acquisition and compensation for the Green Field Jewar International Airport project. Dr. Singh is a member of several professional societies, the editorial board of several journals, and the Board of Studies of several universities. He was also a member of the Scientific Advisory Committee (SAC) of CGanga and is a member of the State Audit Advisory Board (SAAB), Uttarakhand. He has recently completed the prestigious Arth Ganga Project of the NMCG, GOI.

<https://scholar.google.co.in/citations?user=GQCBVpsAAAAJ&hl=en>

1. General Information

Name (in Capital Letter)	SUKH PAL SINGH
Date of Birth	03-05-1960
Corresponding Address	Dr. S. P. Singh, Professor, Department of Humanities & Social Sciences, Indian Institute of Technology Roorkee, Roorkee-247667
Phone No.	Mobile: 09837714002 Landline: 01332-285442 (R); 01332-285337 (O)
Email	Official: s.singh@hs.iitr.ac.in ; Alternate: singhfhs@gmail.com

2. Present Position

A.	Designation	Professor
B.	Organisation	Indian Institute of Technology Roorkee
C.	Pay Scale	Level 15 (Basic Pay: Rs. 224100)
D.	Date of appointment of the present post	July 2007
E.	Professor in HAG scale	1-1-2016 (8 years)

3. Administrative Experience/Posts & Responsibilities held

- Head of Department: three terms (1-1-2009 to 31-12-2011; 1-2-2015 to 31-1-2018 and 22-02-2023 to continue)
- Chairman, DRC (one term)
- Chairman DAPC (one term)
- Member, IAPC (two terms)
- Member IRC (one term)
- Chief Vigilance Officer (CVO) IIT Roorkee (24-10-2018 to 27-09-2022)
- Member, SRIC (one term)
- Member Secretary DFC (two terms)
- Member, HAG Committee (two terms)
- Ex-officio chairman/ member of several committees at the department and the Institute level during the tenure of the HOD.

4. Member of Professional/ Academic Bodies

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| <ol style="list-style-type: none">1. Life member, Indian Society of Labour Economics2. Life member, Indian Political Economy Association3. Life member, Indian Institute of Public Administration4. Life Member, Indian Economic Association5. Vice President of Indian Society of Labour Economics New Delhi for the 2022-23 year, ISLE6. Life Member, UPUEA7. Member, Scientific Advisory Committee (SAC) of CGanga,8. Member, State Audit Advisory Board (SAAB), Uttarakhand9. Individual member (life) of IASSI under the eminent social scientists category |
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5. Academic Achievements

A. Conferences/Seminar Organised

- 1 62nd Annual Conference of the Indian Society of Labour Economics, April 11-13, 2022 (Organizing Secretary).
- 2 11th Annual National Conference of Uttar Pradesh - Uttarakhand Economic Association, 31st October and 1st November 2015 (Organizing Secretary)
- 3 National Conference on "Revisiting Development Paradigms for Uttarakhand" 15-16 February 2014 (Organizing Secretary).
- 4 16th Annual Conference of Indian Political Economy Association, 26-27 October 2012 (Organizing Secretary)
- 5 Workshop on "Emerging Global Job Competencies", March 25-26, 2007, IIT Roorkee (Organizing Secretary)
- 6 International Conference on Buddhist Philosophy and Contemporary Issues (Nov 3-5, 2000) (Joint Organizing Secretary)

B. Ph. D. Theses Supervised/in Progress

Sly No	Title of the Thesis	Year	Name of the Scholar	Other Supervisor
1	Rural-Urban Migration: Determinants and Consequences, With Special Reference to Iran	2001	Hadi Gafferi	Mansour Ali
2	Performance Assessment of Textile Spinning Mills through Data Envelopment Analysis	2002	P. G. Solanki	-
3	Energy Technologies for Agricultural Pumping: An Assessment of Users' Choices	2003	Rakesh Kumar Agrawal	Mansour Ali
4	Assessment of Efficiency and Productivity of Public Transport Sector Through DEA Techniques	2007	Shiva Agrawal	S P Yadav
5	Efficiency Measurement of Education Sector in India Through DEA	2009	Pretty Tragi	S P Yadav
6	Efficiency and Productivity Analysis of the Indian Garment Industry	2010	R. N. Joshi	-
7	Transitions in Occupational and Educational Mobility and Associated Dynamics in India	2014	Chandan Kumar	D. K. Nautical
8	Efficiency Measurement of Public Sector Hospitals in Uttarakhand through DEA Techniques	2014	Sandeep Kr Mocha	S P Yadav
9	Contract Farming in Punjab: Institutional Framework, Determinants and Efficiency	2014	Nivedita Sharma	-
10	Trade Performance, Efficiency and Productivity of Indian Drug and Pharmaceutical Industry	2017	Varun Mahajan	D K Nautical
11	Labor Conditions in the Export-oriented Hand-Knotted Carpet Industry in India	2017	Amit Kr. Geri	-
12	Labor Relations in the Construction Industry in Delhi NCR	2018	Balsam Rao	-
13	Measuring Poverty in Uttar Pradesh: A	2019	Karsh	-

	Multidimensional Approach		Arora	
14	The Rural Non-Farm Sector in India: Approaches, Linkages and Growth Drivers	2019	Amandeep Kaur	-
15	Agricultural Extension Services in India: Farmers' Access, Adoption, and Perceptions (With Special Reference to Western Uttar Pradesh)	2021	Ankit Nagar	D K Nautical
16	Multidimensional Rural Poverty across Agro-Ecologies in Ethiopia: Evidence from the Three Districts	2022	Bentayehu Tamrie Alemu	-
17	Essays on Demographic Dynamics, Ageing, and Income Growth	2023	Manzoor	Falguni Pattannaik
18	Peri-urbanisation, Land-use and Livelihood Dynamics in Urban Fringe of Agra and Varanasi Cities	2024	Divyanshu K. Dixit	-
19	Assessment of Agriculture Sustainability in Punjab: Factors and Farmers' Perspective	2024	Priya	-
20	Impact of Public Policy on Alleviating Social Vulnerability in Ethiopia	2024	Tevele G. Haile	-
21	Groundwater Market and Institutional Governance: A Study of the Farm Sector of Western Uttar Pradesh	2024	Akshi Bajaj	Dipti Nayak
22	Groundwater Productivity & Efficiency in Punjab Agriculture: Irrigation Advancements, Agronomic Interventions, and Incentives	2024	Sahil Bhatia	-
On-going (In Progress)				
23	Decentralized Rural Governance and Multidimensional Poverty: Evidence From Functioning of the PRIs in Uttar Pradesh.	2017	Sirajul Islam Yazdani	-
24	Future of Work: Changing Landscape of Occupations, Skills and Technologies in India	2018	Anjali Bansal	Dr. Pratap Mohanty
25	Neighbourhood Resources for Health & Wellbeing of Elderly	2018	Jyoti	-
26	Social Capital, Risk Attitude, And Economic Viability of Organic Farming: A Farm Level Analysis in Rajasthan	2018	Mayank Mishra	-
27	Impact of Farmer Producer Organisations on Market Access, Farmers' Risks and Farmers' Behaviour: The Case of Rajasthan	2019	Kalpna	-

28	Household Food Security in Uttarakhand: Status, Determinants and the Gender Dimension	2020	Komal Sajwan	-
29	Farmers' Response to Climate-change, Impact, and Their Choices of CSA Strategies	2020	T. Bhawani	-
30	Solar Irrigation Pumps and Farmers of Rajasthan: Revenue Sources, Water Use Efficiency and Role Of Farmer Producer Organisation	2021	Vanshika	-
31	Impact of Unconditional Cash Transfers on Farm Households: The Case of Rythu Bandhu Scheme in Telangana	2021	P. V. Bhargava	-
32	Impact of Food Price Volatility on Land Allocation, Factor Expenditure and Food Security: A Case of Small Farmer's Household in India	2021	Kunal Agrawal	-
33	Livestock Farming Sustainability: Unraveling Technical Efficiency, Technology Adoption, and Disease Management Dynamics	2022	Mandeep Kaur	Aprajita Singh
34	Topic to be finalised	2023	Syed Aiazuddin	Vinay Sharma

C. Research Projects as PI

<Title>, <Sponsoring Agency>, <Amount>, <Duration>,<(completed)/(ongoing)>, <Co-PI (if any) >			Funds in Lakhs
1	“Management of Rural Development under Decentralised Framework”, AICTE, New Delhi, two years, completed in 2002		6.0
2	“Efficiency and Productivity of Sugar Mills: Application of Nonparametric Models”, MHRD, New Delhi, two years, completed in 2005		5.0
3	“Growing Rural-Urban Disparity in Uttar Pradesh”, NIRD Hyderabad, one year, completed in 2008		8.0
4	“System and Process Review and Impact Assessment of NREGS in the State of Uttarakhand”, UNDP/MoRD, one year, completed in 2009, Prof. D. K. Nauriyal co-PI		7.6
5	Concurrent Evaluation of MNREGS in the State of Uttarakhand, UNDP/MoRD, Rs. Rs. 12.87 lakhs, one year, completed in 2011, Prof. D.		12.87

	K. Nauriyal (Co-PI)	
6	“Comprehensive Study of Impacts of Investment in Watershed Projects in Uttar Pradesh”, NIRD, Hyderabad, one year, completed in 2012, Prof. D.K. Nauriyal (Co-PI)	25.0
7	“Socio-economic and Cultural Theme of Ganga River Basin Management Plan”, MOEF, GOI, Three Years, completed in 2015, Prof. D.K. Nauriyal, Dr. Rajat Agrawal and Dr. Vinay Sharma Co-PIs	24.95
8	“Assessment of Convergence Activities under MGNREGA in Uttarakhand”, NIRD&PR, Hyderabad, 9 months, completed, Prof. D.K. Nauriyal, Dr. Falguni Patnaik and Dr. P.C. Mohanty Co-PIs	11.32
9	“Ramganga River Health: Mapping and Assessment of its Ecosystem Services”, CGanga, Completed in 2021, Dr. Falguni Patnaik, Dr. Dipti Nayak Co-PIs	25.3
10	Agriculture Sustainability and Economic Efficiency under Conventional and Alternative Farming Systems in the Ganga River Basin, IMPRESS, ICSSR New Delhi, two years (completed in 2021)	8.4
11	Estimation of Economic Loss due to Change in Hydrologic Variables caused by forest fires in Uttarakhand and Madhya Pradesh, NIH Roorkee, started in 2021, Completed Co-PI: Dr. Falguni Patnaik, Dr. Dipti Nayak Co-PIs	25.0
12	Assessing the Technical and Expenditure Efficiency of Panchayati Raj Institutions in Haryana, 6 th State Finance Commission, Haryana, Co-PI: Dr. Rachita Gulati (completed in 2022)	10.3
13	Arth Ganga Project in collaboration with IIM Lucknow, NMCG, Government of India, Co-PIs: Prof. Arun Kumar, Prof Ashish Pandey and Prof. Dipti Nayak (completed in 2023)	69.0
14	Participatory Action Research in Select Micro Watersheds in Uttarakhand, (Rs.37.5 lakhs) Co-PIs: Prof Vinay Sharma, Prof. Rajat Agrawal and Prof. Indirdeep Singh, IIT Roorkee started in 2022 (ongoing)	37.5
	Total Funds (Two crores, Seventy Six Lakhs and 24 thousands	276.24

B. Research Projects as Co-PI

1	“People’s Participation and Public Welfare Programmes in Rural Odisha”, ICSSR, New Delhi; two years, PI: Falguni Pattanaik	8.0
2	Assessment of ecological damage and NPV of future ecosystem services	7.29

	foregone on account of illegal mining sites in Subarnarekha River (Odisha and West Bengal, PI: Dipti Nayak, Completed started in 2023	
3	Clean Cooking Fuel Energy at the Doorstep: Analysing the Socio-economic Impact of PM Ujjwala Yojana in Hill and Plain Regions of Uttarakhand, ICSSR, PI: Dipti Nayak	15.0
	Total Funds (Rs. Thirty lakhs twenty nine thousands	30.29

D. Training Courses Organised: (i) Organised 9 AICTE/ICSSR sponsored courses on Research Methodology and Quantitative Techniques

(ii) Conducted two training programmes related to MGNREGS for BDOs of Uttarakhand

E. Books Published

	Details
Book Authored	<ol style="list-style-type: none"> 1. <i>Planning and Management for Rural Development</i>, Mittal Publications, New Delhi, 2003. 2. <i>Growing Rural-Urban Disparity in Uttar Pradesh</i>, Serials Publications, New Delhi, 2012 (co-author with SSP Sharma) 3. <i>Dynamics of Occupational and Educational Mobility in India</i>, Authors Press, 2016 (co-author with C. Kumar and DK Nauriyal. 4. Singh, S. P. (2004), <i>Post WTO Era: Impact on Export Prospects of Livestock Products</i>, Department of Economic Analysis and Research, Occasional paper, NABARD, Mumbai (Total pages 132) 5. Authored 8 units published by IGNOU, New Delhi <ol style="list-style-type: none"> 1. Agricultural Policy and its Instruments (2008) 2. Agricultural Sector Goals and Policy Options to Achieve (2008) 3. Process of Policy Formulation in Agriculture (2008) 4. Role and Importance of Indian Agriculture (2013) 5. Green Revolution in India (2013) 6. Capital Formation in Indian Agriculture (2013) 7. International Commitments (2013) 8. Society, State and Market (2016)

F. Refereed Journals

S.N.	Publications	Ran	IF and h-Index
1	Singh S P , Priya and Sajwan K (2024). <u>Cost and return analysis of organic and conventional farming systems in the Ganga River Basin, India</u> , Journal of Agriculture and Rural Development in the Tropics and Subtropics, Vol 125 (1), 21-31.	Q3	0.55/23

	https://doi.org/10.17170/kobra-202402239637		
2	Bhatia S and Singh S P (2024). Assessing Groundwater Use Efficiency and Productivity across Punjab Agriculture: District and Farm Size Perspectives, <i>Agriculture</i> , 14, 1299. https://doi.org/10.3390/agriculture14081299	Q1	3.3/66
3	Bansal A, Singh, S. P. , Mohanty P.C. and Singh J. (2024). Do Automation and Robotization Affect Occupation in India? An Empirical Study, <i>Millennial Asia</i> , DOI: 10.1177/09763996241231835	Q2	2.93/12
4	Bansal A, Singh, S. P. , Mohanty P.C. (2024). Impact analysis of robotization and automation on jobs: A Systematic literature review, <i>Indian Journal of Economics and Development</i> , 20(1), 178-191, https://doi.org/10.35716/IJED-23415	Q4	0.15/5
5	Bhavani Prasad. T. and Singh SP (2024). <u>Climate-smart agriculture (CSA) adaptation, adaptation determinants and extension services synergies: a systematic review</u> , <i>Mitigation and Adaptation Strategies for Global Change</i> , Vol 29 (3), https://link.springer.com/article/10.1007/s11027-024-10113-9	Q1	3.586/89
6	Haile T.G. and Singh S. P. (2024). The whole-of-government approach to public policy integration from the Ethiopian experience: policy analysis with a comparative focus on selected public policies, <i>Int. J. Public Sector Performance Management</i> , Vol 13(4), 471-490	Q4	0.58/13
7	Kaur A and Singh S.P. (2023). A Comprehensive Examination of Rural Non-Farm Sector through Critical Analysis of Existing Literature, <i>Manpower Journal</i> , LVII (3&4), 93-115. https://www.nilerd.ac.in/writereaddata/UploadFile/Amandeep%20Kaur%20and%20S%20P%20Singh.pdf		
8	Bhatia S and Singh S P (2023). Can an Incentivized Command-and-Control Approach Improve Groundwater Management? An Analysis of Indian Punjab. <i>Sustainability</i> 2023, 15(22), 15777 https://doi.org/10.3390/su152215777	Q1	4.0/169
9	Bajaj A, Singh S P and Nayak D. (2023) Are farmers willing to pay for groundwater irrigation? Insights from informal groundwater markets in Western Uttar Pradesh, India, <i>Agricultural Water Management</i> , Vol 288, 1 October 2023, 108458	Q1	6.7/163
10	Priya and Singh S. P. (2023). <u>Assessing and comparing the sustainability of organic and conventional wheat farming in India: An indicator-based approach</u> , <i>Journal of Cleaner Production</i> , Vol 423, 15 October 2023, 138652 https://www.sciencedirect.com/science/article/pii/S0959652623	Q1	11.1/309

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11	Singh, S.P. , Priya & Sajwan Komal (2023), Factors influencing the adoption of organic farming: a case of Middle Ganga River basin, India, Org. Agr. (2023) 13:193–203, https://doi.org/10.1007/s13165-022-00421-2 Springer	Q2	2.02/26
12	Priya & Singh, S.P. (2022). Factors Influencing the Adoption of Sustainable Agricultural Practices: A Systematic Literature Review and Lesson Learned for India, <i>Forum for Social Economics</i> , https://doi.org/10.1080/07360932.2022.2057566 . Routledge	Q2	0.97/14
13	Jyoti, Singh, S.P & Malik, M.A.(2022).Social Capital And Health Outcomes Among Older Adults In India: A Multilevel Analysis, <i>Working with Older People</i> , Emerald DOI 10.1108/WWOP-05-2022-0019	Q3	0.554/16
14	Malik, M.A., Singh S.P. & Pattanaik, F. (2022). Economics of Healthy Aging in India: A Multidimensional Perspective, <i>IZA Journal of Labor Policy</i> , 12:04 https://doi.org/10.2478/izajolp-2022-0004	Q3	0.938/ 25
15	Arora, A., & Singh, S. P. (2022). Questioning the poverty line aggregation approach in India: Issues of mismatches and overlaps. <i>Poverty & Public Policy</i> , 1–20. https://doi.org/10.1002/pop4.336 . Wiley	Q1	1.2/17
16	Bajaj, A., Singh S.P. , Nayak, D (2022). Impact of water markets on equity and efficiency in irrigation water use: A systematic review and meta-analysis, <i>Agricultural Water Management</i> , 259 (2022) 107182 www.elsevier.com/locate/agwat	Q1	6.7/163
17	Malik, M.A., Singh S.P. , Jyoti & Pattanaik, F. (2022). Work stress, health, and wellbeing: evidence from the older adults labor market in India, <i>Humanities & Social Sciences Communications</i> , https://doi.org/10.1057/s41599-022-01192-7 , Springer.	Q1	3.81/35
18	Giri A K and Singh S. P. (2022). <u>India's hand-knotted carpet industry in reforms era: export performances and challenges</u> , International Journal of Business and Globalisation, Vol 31 (1), 17-35, Inderscience	Q4	0.47/22
19	Alemu B T & Singh S. P. (2021), <u>How Does Multidimensional Rural Poverty Vary across Agro-ecologies in Rural Ethiopia? Evidence from the Three Districts</u> , <i>Journal of Poverty</i> , https://doi.org/10.1080/10875549.2020.1869659 Routledge	Q2	1.61/29
20	Nagar A., Nauriyal D.K. & Singh S.P. (2021). Improving farmer's access to agricultural extension services delivery	Q3	0.50/19

	systems Lessons from a field study in western Uttar Pradesh, India, <i>Journal of Tropical Agriculture</i> , 59 (2): 206-214, 2021.		
21	Nagar A., Nauriyal D.K. & Singh S.P. (2021). Determinants of Farmers' Access to Extension Services and Adoption of Technical Inputs: Evidence from India. <i>Universal Journal of Agricultural Research</i> , 9(4), 127-137. DOI: https://doi.org/10.13189/ujar.2021.090404	Q3	1.09/6
22	Nagar A., Nauriyal D.K., Singh S.P. & Bajaj A. (2021). Is ICT Infrastructure Capable Enough to Access Agricultural Extension Services in a Situation like Covid-19: A Case Study of Western Uttar Pradesh, India, <i>Res. Jl. of Agril. Sci.</i> , 12c (6), 2205-11.	-	-
23	Kaur, A., Arora, A, and Singh, S.P. (2020), Is Rural Non-farm employment helping in poverty reduction as it is believed to be? An Empirical Analysis of Indian Regions, <i>Journal of Economic & Social Development</i> , 16(1&2), 1-18.	-	-
24	Alemu B T & Singh S P (2020). The impact of microcredit services on households' multidimensional poverty in rural Ethiopia: a propensity score matching analysis, <i>Journal of the Social Sciences</i> , 48(3), 1734-47	Q4	0.0/5
25	Alemu B T and Singh S P (2020), Household Empowerment and Multidimensional Poverty In Rural Ethiopia: A Principal Component Analysis, <i>PJAEE</i> , 17 (6), 44-69	Q3	0.116/3
26	<u>Mahajan V</u> , Nauriyal D K and Singh, S. P. (2020). Domestic market competitiveness of Indian drug and pharmaceutical industry, <i>Review of Managerial Science</i> , 14:519–559. https://doi.org/10.1007/s11846-018-0299-7	Q1	5.8/52
27	Kaur, A., Arora A, and Singh S.P. (2019), Employment Diversification in Rural India: Nature, Pattern and Determinants, <i>Ager, Journal of Depopulation and Rural Development Studies</i> , DOI: 10.4422/ager.2019.02	Q3	0.288/12
28	Arora A. and Singh S.P (2017), <u>So why is Uttar Pradesh still poor? Poverty incidence and its correlates: An inter-regional analysis</u> , <i>International Journal of Social Economics</i> , Vol: 44 (12), 2351-2377.	Q2	1.93/48
29	Giri, A.K., and Singh, S.P. (2017), “Post reforms dynamics in India's labour market, <i>International Journal of Economics and Business Research</i> 13(1), 1-21.	Q3	0.72/ 12
30	Singh S.P. (2016), "Challenges of Food Security in India", <i>Journal of Economic & Social Development</i> , 12(1), 1-12.	-	-

31	Singh S.P. (2016), Technical Change and Productivity Growth in the Indian Sugar Industry, <i>Procedia Economics and Finance</i> , 39, 131–139 (Elsevier/Web of Sc)	Q1	3.9/43
32	Giri, A.K., and Singh, S.P. (2016), “Labour Standards in Global Value Chains in India: The Case of Handknotted Carpet Manufacturing Cluster”, <i>Asian Journal of Business Ethics</i> , DOI: 10.1007/s13520-016-0052-8 (Springer Publications)	Q2	0.839/14
33	Giri, A.K., and Singh, S.P. (2016), “Child Labour and ‘Nowhere’ Children in Post-reforms India”, <i>Indian Journal of Human Development</i> , 10(2) 1–14 (Sage) (ProQuest/J-Gate/ICI)	Q2	2.7/ 13
34	Mogha S K, Yadav S P and Singh, S. P. (2016), “Estimating Technical Efficiency of Public Sector Hospitals of Uttarakhand (India)”, <i>International Journal of Operational Research</i> 25(3), 371-399. (SCOPUS/Web of Sc)	Q3	0.91/32
35	Singh S.P. (2016), “Assessing Efficiency Trends in Indian Sugar Industry”, <i>International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering</i> , 10 (7), 2062-74.	-	-
36	Mogha, S.K, Yadav, S.P. & Singh, S. P. (2015), “Total factor productivity growth in private sector hospitals of India: an assessment through MPI approach”, <i>Global Business and Economics Review</i> 17 (2), 164-187. (SCOPUS)	Q4	0.68/18
37	Giri, A.K., and Singh, S.P. (2015), "Primitive Accumulation, Informality and Precarious Work in Neoliberal India: A Review of Arguments and Evidence," <i>Journal of Economic & Social Development</i> , 11(1) 25-40.	-	-
38	<u>Mahajan</u> V, Nauriyal D K and Singh, S. P. (2015), “Efficiency trends in the Indian pharmaceutical industry in the new patent regime”, <i>Int. J. Business Performance Management</i> , 16(4), pp. 389-406, 2015. (SCOPUS)	Q4	1.02/24
39	Mahajan, V., Nauriyal, D.K. and Singh, S. P. (2015) "Trade Performance and Revealed Comparative Advantage of Indian Pharmaceutical Industry in the New IPR Regime" <i>International Journal of Pharmaceutical and Healthcare Marketing</i> , Vol.9 (1), pp.56-73. (SCOPUS/ web of Sc.)	Q3	1.97/30
40	Arora A and Singh, S. P. (2015), “Poverty across Social and Religious Groups in Uttar Pradesh: An Interregional Analysis”, <i>Economic and Political Weekly</i> , L (52), 100-109. (SCOPUS)	Q2	0.38/70
41	Mogha S K, Yadav S P and Singh, S. P. (2015), “Slack-based	Q1	7.97/81

	measure of efficiencies of public sector hospitals in Uttarakhand (India)", <i>Benchmarking: An International Journal</i> , 22 (7), 1229-1246. (SCOPUS/ Web of Sc.)		
42	Mogha S K, Yadav S P and Singh, S. P. (2015), <u>Technical efficiency and productivity growth in public sector hospitals of Uttarakhand (India)</u> , <i>International Journal of System Assurance Engineering and Management</i> , 6 (4), 390-406. Springer, (SCOPUS/ Web of Sc.)	Q2	2.44/ 39
43	<u>Mahajan V</u> , Nauriyal D K and Singh, S. P. (2015), "Technical efficiency analysis of the Indian drug and pharmaceutical industry: A non-parametric approach", <i>Benchmarking: An International Journal</i> , 21(5):734-755, 2015. (SCOPUS)	Q1	7.97/81
44	Mogha, S.K, Yadav, S.P. & Singh, S. P. (2015), "Total factor productivity growth in private sector hospitals of India: an assessment through MPI approach", <i>Global Business and Economics Review</i> 17 (2), 164-187. (SCOPUS)	Q4	0.68/18
45	Giri, A.K. and Singh, S.P. (2015), "Economic Growth and Structural Changes in Uttarakhand in Post-Reforms Era of India", <i>Journal of Economic Policy and Research</i> , 10 (1) 1-30. (ICI/ProQuest)	-	-
46	<u>Mahajan V</u> , Nauriyal D K and Singh, S. P. (2015), "Efficiency trends in the Indian pharmaceutical industry in the new patent regime", <i>Int. J. Business Performance Management</i> , 16(4), pp. 389-406, 2015. (SCOPUS)	Q3 2015	1.02/24
47	Sharma, N. and Singh, S. P. (2015), "Exploring Contractual Relationships in Punjab A Case Study of Potato and Basmati Paddy", <i>Journal of Land and Rural Studies</i> , 3 (2), 165-186, 2015 (Sage) (J-Gate/ICI)	-	-
48	Rao Balram and Singh, S. P. (2015), "Rural Employment Guarantee Scheme and Labour Market in India: An Empirical Study of one of the Largest Provinces", <i>Asian Journal of Development and Governance</i> , 1(1) 55-82, 2015	-	-
49	Giri, A. K. and Singh, S.P. (2015), "Neoliberalism, Primitive Accumulation, and Precarious Work: A Review of Evidence from India," <i>Times Journey</i> , Vol. 3, No. 1, pp. 1-17 (November 2014-April 2015).	-	-
50	Rao, Balram & Singh, S. P. (2015). Governance of Right To Work and Structural Change in Rural Labour market: A case of MGNREGS in Chhattisgarh. <i>IMS Management Journal</i> , 7(1), 25-46.	-	-
51	Mahajan, V., Nauriyal, D.K. & Singh, S. P. (2014) "Technical	Q1	7.97/81

	efficiency analysis of the Indian drug and pharmaceutical industry: A non-parametric approach", Benchmarking: An International Journal, 21 (5), 734-755. (SCOPUS/ Web of Sc.)		
52	Mogha S K, Yadav S P, and Singh, S. P. (2014), 'Estimating technical and scale efficiencies of private hospitals using a non-parametric approach: the case of India,' <i>International Journal of Operational Research</i> , Vol. 20 (1), pp.21–40. (SCOPUS/ Web of Sc)	Q2	0.91/32
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**I. Key-note address/panel discussion/ Invited lectures/chair/discussant, etc.
during the last 5 years (June 2018 to April 2024)**

1	Participated in a panel discussion on "Lessons Learnt from the Past for Sustainable Rapid Growth " in an International Conference on Economic Growth and Environmental Sustainability, held at CCU Meerut from Nov 29-30, 2023.
2	Participated in the Indian Society of Labour Economics 64th Annual Conference and chaired a session and discussant in a technical session, March 29-31, 2024, at the Central University Hyderabad.
3	Delivered an invited lecture on" How to Write a Good Quality Research Paper" at the 19 th Annual Conference of UPUA at BRA University Lucknow on April 13, 2024, and chaired a session on April 14, 2024.
4	Delivered an inaugural address on the Research methodology course at CCU Meerut on July 22, 2023
5	Participated in the Indian Society of Labour Economics 63 rd Annual Conference and presented a paper, chaired a session and discussant in a technical session, Feb 28 to March 3, 2023 at RGU Itanagar.
6	Attended Indian Political Economy Association 26 th Annual Conference and presented a paper and chaired a session at Gitam University during Feb 17-18, 2023
7	Delivered a valedictory address at the National Seminar on Indian Economy: Current Status and Future Prospects at NIT Kurukshetra on May 20, 2023.
8	Attended a National Seminar on "Development Experiences of Uttarakhand" and presented a paper and chaired a session at Doon University, Dehradun, from Sept 22-23, 2022.
9	Participated in a panel discussion on "River Conservation Synchronised Agriculture" in the 5th India Water Impact Summit (IWIS), organised by Cganga and NMCG, New Delhi, December 14, 2020 (online).
10	Guest Speaker & Panelist in Panel 4: Poverty, Economic Policies and Sustainable Development of the First International E-Conference of Jindal Centre for the Global South (JCGS) on "Financing for Development, 2030 Global Agenda and Post Covid19 Challenges", December 16-18, 2020 (online)
11	Participated as a panelist in one of the plenary sessions of an "International E-Conference on Globalisation, Inequality and Exclusion: Plan for Development or

	Path to Marginalisation", organized by Punjabi University, Patiala, June 19, 2020.
12	Addressed the inaugural session of "World Environment Summit 2020", organised by ESDA in collaboration with NEERI, BRA College, University of Delhi, DTU, Vallabhbhai Patel Chest Institute, University of Delhi, Jan 18-19, 2020.
13	Delivered an inaugural lecture in a national seminar on Agriculture, Climate Resilience and Nutrition: Adoption of Integrated Approach for Sustainable Development, J.V. Jain College, Saharanpur, March 16-17, 2020.
14	Participated in the 14th Forum of the World Association for Political Economy (WAPE-2019) on "Class, State and Nation in the Twenty-First Century" University of Manitoba, Winnipeg, Canada, July 19 – 21, 2019.
15	Participated in India Water Impact Submit (IWIS, 2019), Vigyan Bhawan, New Delhi. Dec. 5-6, 2019.
16	Delivered a keynote lecture on "Status of Farmers in Uttar Pradesh and Strategies for Doubling their Income" in the national seminar on "Agricultural Transformation and Rural Development in India: Issues, Challenges and Possibilities", HNB University, Srinagar, Uttarakhand, October, 12-13 2019.
17	Chaired a technical session on "Technology, Globalisation and Work" at the 61st Labour Economics Conference of ISLE and also presented a paper on "Micro-Macro Determinants of Women's Participation in Labour Market: A Study of EAG and the Southern States of India" (co-author with Ms. Yashika Chugh), PU, Patiala Punjab, Dec.7-9, 2019.
18	Delivered a valedictory lecture in a " <i>Workshop on Research Methodology and Research Ethics</i> held during November 09-30, 2019, at AMU, Aligarh.
19	Delivered a valedictory address on " Institutionalizing Water Credit System for Agriculture Diversification and Sustainability in a National Seminar on "Transforming Punjab Economy through Rural and Agricultural Diversification".., GNDU, Amritsar, March 2, 2019
20	Participated in a discussion on "Human Development Report of Uttarakhand", Department of Planning, Govt. of Uttarakhand, Dehradun, January 21, 2019.
21	Presented a keynote lecture on "Bringing Back Water into the Ganga River Ecosystem to Restore River Health and Ecosystem Services" at the International Conference (ESDA CON 2019) on 'Global Environmental Challenges, Human Health and Sustainable Development', JNU, New Delhi, Jan 11-13, 2019.
22	Delivered a keynote lecture on "Water Use in Agriculture of the Middle Ganga Basin" at the International Conference on "Global Water Crisis: Agriculture and Food Security in the Era of Climate Change". Department of Geography, AMU, Aligarh, Dec.1-3, 2018
23	Acted as a discussant in one of the technical sessions at the 60th Labour Economics Conference of ISLE and presented a paper on " Technology and Labour Market Inequalities" IGIDR, Mumbai, Dec 19-21, 2018.
24	Participated in India Water Impact Submit (IWIS, 2018), Vigyan Bhawan, New

	Delhi, December 5-7, 2018.
25	Delivered a Guest Lecture on " Challenges and Opportunities in Hill Agriculture of Uttarakhand", RBI, Dehradun, June 11, 2018.
26	Participated in the 14th Forum of the World Association for Political Economy (WAPE, 2018) and presented a paper on " "Political Economy of Sugar Production and Water Depletion in Uttar Pradesh (India), Berlin, Germany, July 16-18, 2018.
27	Participated in a panel discussion on "Ecological Crisis with Focus on Climate Change and Water Security" at the 22nd Annual Conference of IPEA and chaired a technical session at the University of Jammu, J&K, Dec. 14-15, 2018.
28	Delivered a lecture on "Capitalism in Agriculture and Its Effects" in a workshop on Research Methodology of Socio-Economic Development, Dept. of Economics, CDL University, Sirsa, June 28-30, 2018.