

1. Name : Ruchi Rani Gangwar
2. Designation : Assistant Professor
3. Date of birth : 16th June
4. Department : Agricultural Economics
College of Agriculture
G.B.Pant University of
Agriculture &
Technology, pantnagar, Uttarakh
and
5. Educational Qualification : Ph.D (Agricultural Economics)
Other Qualification M.A (Economics)
ARS- NET
6. Field of Specialization : Agricultural Economics
Specialization: Microfinance,
Agril. Finance, Agril.
Marketing and Farm
management
7. Experience as Faculty member:
(i) Outside the University : -
(ii) (a) In the University : w.e.f. 23/11/2015 to till date
(b) On present post w.e.f. 23/11/2015 to till date
8. Publications:
(a) No. of Research papers published : 30
(b) No. of articles published : 18
(c) Books/Chapters in books : 7 chapter/ 5 books
(d) Other publications, if any : **Video Lectures:** 07 video lectures recorded and



uploaded on eshiksha.krishimegh.in.
<https://eshiksha.krishimegh.in/Panopto/Pages/Sessions/List.aspx?folderID=52103928-e1b4-48a0-984d-ad9e009eaf45>

- 1) Gangwar Ruchi Rani, Kumar Anil & Dev C. **LABORATORY MANUAL on Agricultural Marketing Trade and Prices.** Department of Agril. Economics, G.B. Pant University of Agril. & Technology, Pantnagar, **ISBN: 978-81-952231-1-4.** (Publication in process by NAHEP-IDP, Pantnagar)
- 2) **E -Content:** 19 E- content modules developed for the course Fundamentals of Agricultural Economics (AEC-201) under IDP -NAHEP operational at G.B.Pant University of Agril. Economics.Pantnagar, Uttarakhand.

9. Details of courses taught:

Sl.No.	No. & Title of the course	Credit hrs.
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U.G. Level:

i.	AEC-322, Agricultural Marketing, Trade & Prices	3(2-0-2x2)
ii.	AEC-405, Agribusiness Management	3(2-0-1x2)
iii.	AEC-332, Farm Management, Production and Resources Economics	2(1-2-2x2)
iv.	AEC-201, Fundamentals of Agricultural Economics	2(2-2-0)
v.	AEC-210 Introduction to Economics & Marketing	2(1-0-1x1)
vi.	AEC-310 Economics, Marketing and Project Formulation	3(2-0-1)
vii.	AEC-342 Agricultural Finance and Cooperation	2-0-2x2)
viii.	NSS 101/102/201/201	

P.G. Level:

i.	AEC-618 ,Research methodology for Social Sciences	2(1-0-1x3)
ii.	AEC-515 Linear Programming Methods	2(1-1-1x3)
iii.	AEC-601 Special Problems	1(0-0-1x3)

iv.	AEC -625 Rural Marketing	2(2-0-0)
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Details of students guided as a Guide

S.No.	Name and Id. No.	Degree	Year of completion	
1.	Shivam Dhiman	M.Sc.Ag. (Agril. Economic	7/2020	Economics of Production and Marketing of Mushroom in Dehradun District of Uttarakhand
2.	Sachin Kumar	M.Sc.Ag. (Agril. Economic	6/2021	Women Empowerment Through SHG Promoted Enterprises in U.S. Nagar District of Uttarakhand
3.	KarishmaPanwar	M.Sc.Ag. (Agricultural Economics)	2/2022	Impact of Krishi Vigyan Kendra (KVK) on adoption of farm technologies and income of farmers - a case study of KVK Jeolikote.
4.	SHEKHAR DANGI 51424	M.Sc.Ag. (Agricultural Economics)	2023	ASSESSING THE IMPACT OF KISAN CREDIT CARD SCHEME ON PROFITABILITY OF CROPS IN DISTRICT DATIA,MADHYA PRADESH
5.	RITIK RUPAIN 59313	M.Sc.Ag. (Agricultural Economics)	continue	PERFORMANCE ANALYSIS OF SELF-HELP GROUPS IN UDHAM SINGH NAGAR DISTRICT OF UTTARAKHAND
6.	Somya Tewari 54357	M.Sc.Ag. (Agricultural Economics)	Continue	Course work and Research work continue
7.	Shashank Gangwar 56795	M.Sc.Ag. (Agricultural Economics)	Continue	Course work continue
6.	Sanjana	Ph. D Agril. Economics	continue	Course work

Project : Ongoing Research Projects

S.N.	Title of the project	Funding Agency	Duration (years)	Remarks
1.	DST-Technology Enabling Centre Project, Pantnagar	Funding agency DST- Ministry of Science, Budget of project: 5crore	for the period of five years	Project coordinator: Dr. S.K. Kashyap, DST TEC, Pantnagar Project Scientist: Dr. Ruchi Rani Gangwar, Agril. Economics

2.	Capacity Building of Tribal Communities Through Value Chain Analysis of Agriculture and Allied Commodities In Uttarakhand	ICAR-Tribal Sub Plan Budget of Project:11.50 lakh	2024-25 and 2025-26	Co-PI
3.	Promotion of biological control based pest management technology for organic farming in the Kotabagh block of Nainital district	National Bank for Agricultural and Rural Development, Dehradun Budget of Project: Rs 30.90 Lakh	Two Years 2025-2027	Co-PI

List of Publications: Research Paper

1. Rana, K., Yadav, S., Sharma, A., Arya, N., Chaudhary, S., & Gangwar, R. R. (2024). Extent of empowerment of farm women through backyard poultry farming. *International Journal of Agriculture Extension and Social Development*, 7(6), 429-433. DOI: 10.33545/26180723.2024.v7.i6f.739. NAAS (2024): 5.04.
2. Gangwar, R. R., & Rupain, R. (2024). Blockchain Technology: Revolutionizing Agriculture. *International Journal of Agriculture Sciences*, 16(1), 12916-12922. ISSN: 0975-3710, E-ISSN: 0975-9107. NAAS: 4.58 (2023).
3. Chaudhary, S., Singh, S., Gangwar, R. R., Rana, K., & Supriya. (2024). Livestock Rearers under Climate Change: A Review of its Impact and Adaptation Strategies in India. *International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)*, 4(1), 622-628. ISSN (Online): 2581-9429. 2024 Impact Factor: 7.53.
4. Pathak, G., Singh, N. P., Gangwar, R. R., Dev, C., & Pratibha. (2024). An Economic Analysis of Wheat-Based Cropping Systems in the Bhabhar Region of Uttarakhand. *AMA*, 55(1), 17061. ISSN: 0084-5849. NAAS rating: 6.3.
5. Panwar, K., Gangwar, R. R., Chaudhary, S., Tripathi, A. K., Misra, S., Panwar, R., Rana, K., Giri, B., & Shukla, A. N. (2023). Role of KVK-Jeolikote in Adoption of Farm Technologies in Nainital District of Uttarakhand. *AMA*, 54(10), 16059. ISSN: 0084-5849. NAAS rating: 6.3.
6. Mishra, I., Rana, K., Beri, G., Sharma, P., Joshi, A., Kholiya, M., Chauhan, A., Gangwar, R. R., & Chaudhary, S. (2023). A Study on Adoption of Recommended Beekeeping Practices in Kumaon Hills of Uttarakhand. *AMA*, 54(2), 16643. ISSN: 0084-5849. NAAS rating: 6.3.
7. Sah, B., Chaudhary, S., Tripathi, A. K., Gangwar, R. R., & Rana, K. (2023). Electronic National Agriculture Market (e-NAM): A Review of the Game-Changing Marketing Platform. *AMA*, 54(9), 15659. ISSN: 0084-5849. NAAS rating: 6.3.
8. Dhiman, S., Gangwar, R. R., Misra, S., Kumar, D., & Joshi, N. (2022). Economics of Production of Mushroom in Dehradun District of Uttarakhand. *The Pharma Innovation Journal*, sp-11(9), 1043-1048. NAAS rating: 5.2.
9. Rana, K., Kameswari, V. L. V., Chaudhary, S., Arya, B., & Gangwar, R. R. (2019). Use of ICT in buildup health awareness among women and adolescent girls in

Uttarakhand State (India). *Bulletin of Environment, Pharmacology and Life Sciences*, 8(6), 71-76.

10. Gangwar, R.R., Chaudhary, S., Dev, C., Rana, K., & Supriya. (2019). Future prospects and constraints of medicinal and aromatic farming in Uttarakhand. *Journal of Pharmacognosy and Phytochemistry*, SP5, 396-398.
11. Chaudhary, S., Supriya, Rana, K., Gangwar, R.R., & Dev, C. (2019). Strength, obstacles, and opportunities in marketing of dairy products: An analysis of dairy farmers in private and cooperative sectors of Uttarakhand. *Journal of Pharmacognosy and Phytochemistry*, SP5, 212-215.
12. Rana, K., Ansari, M.A., Gangwar, R.R., & Chaudhary, S. (2018). Role of ICT and small-scale agriculture in India: a scoping study. *International Journal of Pure & Applied Bioscience*, 6(2), 269-2753.
13. Dev, C., Gangwar, R.R., Khanduri, B.K., & Chaudhary, S. (2018). Impact of fragmentation and scatteredness of holding on adoption of modern technology for wheat production in Uttarakhand hills. *International Journal of Agriculture Sciences*, 10(17), 7057-7060.
14. Tripathi, A.K., Bohara, J.S., Upadhyay, A.K., Singh, S., Mishra, P.K., Gangwar, R.R., Chaudhary, S., Rai, R.K., Kumar, A., & Singh, J. (2018). Yield maximization of rice and wheat through demonstration of improved method of cultivation in Patehra block of Mirzapur district in Vidhyan region. *International Journal of Agriculture Sciences*, 10(10), 6181-6183.
15. Rana, K., Ansari, M.A., & Gangwar, R.R. (2018). Women's empowerment and SHGs: A case study from Uttarakhand. *International Journal of Agriculture Sciences*, 10(6), 5447-5449.
16. Gangwar, R.R., Yadav, N., & Rana, K. (2017). Impact of microfinance on socio-economic empowerment of women SHG members in Uttarakhand. *Research Journal of Agricultural Sciences*, 8(5), 1133-1136.
17. Singh, A.K., Gangwar, R.R., & Bisht, A. (2017). Marketable surplus and price spread of potato in Uttarakhand. *Indian Journal of Economics and Development*, 13(2a), 254-257.
18. Bisht, A., Choudhary, H., & Gangwar, R.R. (2017). Strengthening SPS management capacity in India to enhance competitiveness and better realisation by farmers. *Indian Journal of Economics and Development*, 13(2a), 656-660.
19. Yadav, N., & Gangwar, R.R. (2016). Dire training need of women entrepreneurs engaged in sericulture in Uttarakhand. *Research Journal of Agricultural Sciences*, 7, S33-S36.
20. Singh, A.K., Gangwar, R.R., Supriya, & Arora, S. (2015). Economics of goat farming in Dehradun District of Uttarakhand. *Research Journal of Agricultural Sciences*, 6(4), 857-859.
21. Supriya, Arora, S., Gangwar, R.R., & Singh, A.K. (2015). Discriminating socio-economic characteristics of wheat seed growers of public and private seed producing agencies of Uttarakhand State. *Research Journal of Agricultural Sciences*, 6(2), 393-396.
22. Gangwar Ruchi Rani, Arora S., and Pratibha (2013). Transaction Cost of Self-Help Groups Banking Programme: A Study in Nainital District of Uttarakhand. *The Allahabad Farmer Journal*, Vol. LXIX (1): 56-63, July 2013.
23. Arora S. and Gangwar Ruchi Rani (2012). An Economic Analysis of Primary Milk Producer Cooperative Societies in U. S. Nagar District of Uttarakhand. *The Allahabad Farmer Journal*, LXVIII(1): 36-47, July 2012.

24. Singh A. K. and Gangwar Ruchi Rani (2012). Comparative Economics of Direct Seeded Transplanted Rice: A Case Study. Research Journal of Agricultural Science, 3(5): 1127-1130, Sept-Oct 2012.
25. Arora S., Gangwar Ruchi Rani, and Bhogal T. S. (2012). Organization and Performance of Tehri Cooperative Societies in Udham Singh Nagar District of Uttarakhand. The Journal of Rural and Agricultural Research, 12(1): 24-28, June 2012.
26. Singh A. K., and Gangwar Ruchi Rani (2012). A Study of Potato Commodity System in the Tarai of Kumaon Region of Uttarakhand. The Journal of Rural and Agricultural Research, 12(1): 7-9, 2012.
27. Singh A. K., Gangwar Ruchi Rani, and Pal V.K. (2012). Bikkree Yogya Atrikta Aloo Per Ek Adhyan. Bhartiya Krishi Anusandhan Patrika, 27(1): 44-45, March 2012.
28. Arora S. and Gangwar Ruchi Rani (2011). Performance of Primary Milk Producers Cooperative Societies in U.S. Nagar District of Uttarakhand. The Journal of Rural and Agricultural Research, 11(2): 14-18, December 2011.
29. Gangwar Ruchi Rani, Arora S., Pal V.K., and Singh A. K. (2011). Constraints in the Efficient Functioning of Women Self-Help Groups in Kumaon Region of Uttarakhand. The Journal of Rural and Agricultural Research, 11(2): 47-49, December 2011.
30. Gangwar Ruchi Rani, Arora S., and Singh A. K. (2011). Comparative study of Beekeeping in Haldwani and Bhimtal block of Uttarakhand. The Journal of Rural and Agricultural Research, 12(2):105-107

Books:

1. Gangwar, R.R. and Tewari, S.K., Microfinance and Women Empowerment: An Impact Study of Women SHGs: A Study on Kumaon Region of Uttarakhand, India. LAP LAMBERT Academic Publishing GmbH & Co., KG, Germany. ISBN: 978-3-659-16200-8.
2. Supriya, Mishra, P., Gangwar, R.R., Chaudhary, S., and Vani, G.K., 2018. Farm Management and Its Practical Utility. First Edition. Jaya Publishing House, Delhi.
3. Chaudhary, S., Gangwar, R.R., et al., 2021. Economics of Profitable Agriculture. Parmar Publication, Jharkhand. Available online.
4. Gangwar, R.R., 2021. Objective Agricultural Economics. Parmar Publication, Jharkhand.
5. Gangwar, R.R., Kumar, A., and Dev, C., Laboratory Manual on Agricultural Marketing, Trade and Prices. Department of Agricultural Economics, G.B. Pant University of Agriculture & Technology, Pantnagar. ISBN: 978-81-952231-1-4. (In publication process by NAHEP-IDP, Pantnagar).

Book Chapters

- 1) Gangwar, R. R., Rai, R. K., & Tewari, S. (Accepted). Modern prospective of the ancient grain: Millets. In A. K. Maurya, R. K. Gautam, Y. Pandey, & S. K. Maurya (Eds.), *Essentials of agricultural sciences*. Content Vibes (CV).
- 2) Chaudhary, S., & Gangwar, R. R. (2024). Public finance expenditure, revenue, and debt dynamics. In Supriya, P. Mishra, & P. Kumar (Eds.), *The economic perspective: Navigating the financial landscape* (pp. 77-88). New Delhi: NIPA, GENX Electronic Resources & Solutions Pvt. Ltd.

- 3) Gangwar, Ruchi Rani, and Chaudhary, Shweta. (2023). "Sericulture: A Profitable Agribusiness for Farmers of Uttarakhand." In Goel, A., Singh, D., & Massey, S. (Eds.), *Drudgery Reduction in Sericulture, Waste Silk Utilization and Product Diversification for Empowering ST Communities*. Ocean Publication House. ISBN: 978-93-91664-22-0.
- 4) Chaudhary, Shweta, Arya, Himanshu Kumar, & Gangwar, Ruchi Rani. (2023). Sericulture: A Notable Approach for Empowerment of Rural Women In Goel, A., Singh, D., & Massey, S. (Eds.), *Drudgery Reduction in Sericulture, Waste Silk Utilization and Product Diversification for Empowering ST Communities* . Ocean Publication House. ISBN: 978-93-91664-22-0.
- 5) Dev, C., & Gangwar, R. R. (2022). Promotion strategies for agri-business. In S. Phand, A. K. Sharma, B. D. Singh, & S. Das (Eds.), *Agribusiness management for youth* (pp. 27-33). Pantnagar & Hyderabad: Directorate of Extension Education (SAMETI-Uttarakhand, G.B.P.U.A. & T & MANAGE).
- 6) Tripathi, A.K., Chaudhary, S., Gangwar, R.R., Shukla, A.N., & Rai, R.K. (2022). Natural Resources and Its Economics. In Krishna, V. (Ed.), *Contemporary Environmental Challenges in India* (pp. xx-xx). Rudra Publisher & Distributor, New Delhi.
- 7) Chaudhary, Kaur M., Tripathi, A. K., Supriya, & Gangwar, R. R. (2018). Entrepreneurship in aquaculture: Scope, opportunities, and challenges. In S. K. Gangwar & S. Verma (Eds.), *Recent trends and experimental approaches in science, technology, nature, and management* (Vol. II, Chapter 2, pp. 60-62). Lucknow: Society for Science and Nature (SFSN).

Popular Articles:

- 1) cS'kkyh xaxokj] jkgqy dqekj jk;] dekyqn~nhu ,oa :fp jkuh xaxokj ¼tuojh] 2024½ ^^cqUnsy[k.M {ks= dh Qlyksa e gksus okyh Qly dkf;Zdh leL;k,Wa o j.kuhfr;kWaA fdlku Hkkjrh vad 4 ist 12&14 ISSN:0970-518
- 2) Somya Mishra and Ruchi R Gangwar., Strawberry Farming: A Gain full opportunity to Enhance Farmers income. *Just Agriculture* (multidisciplinary e-News letter e-ISSN:2582-8223) Vol. 2 issue 12, August, 2022 (ISSN:0537-1589)
- 3) **Ruchi Rani Gangwar**, Sachin Kumar, Kiran Rana & Shekhar Dangi (August 2022) Women Empowerment Through Self Help Groups (SHGs)- A case study of Khatima and Gadarpur Blocks in U.S. Nagar District of Uttarakhand. *Indian Farmer's Digest* , Vol. 55, No. 08, pp 39.(ISSN:0537-1589)
- 4) fdju jkuk] chukvk;kZ ,oa:fpjkuxaxokj ¼twu 2020½ ^^ikjaEifjd d`f''kiz.kkyh ds okgd vkSj laj{k d gS efgyk,Wa fdlku Hkkjrhvad 9 ist 35&38 ISSN:0970-518
- 5) vt; dqekj f=ikBh] jkgqy jk; ,oa :fp jkuh xaxokj ¼tqykbZ 2019½ ^^Qlychek % leL;k,Wa ,oa tkx:drk fdlku Hkkjrh vad 10 ist 39] ISSN:0970-518
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11) **Ruchi Rani Gangwar**& Supriya (July 2016) "PMEGP: Employment Generation Programme, AGRI- Chopaal(Bilingual annual magazine July 2016-June 2017)Year 01,No.01 , pp. 07,Teerthanker Mahaveer University.ISSN:0537-1589

12) **Ruchi Rani Gangwar** (July 2012) "Status and Scope of Beekeeping in Nainital District of Uttarakhand. Indian Farmers' Digest.45(7):12-13

13) :fp jkuh xaxokj] 'osrk vjksjk ,oa izfrHkk ¼twu] 2012½**fodkl gsr qLoZ.k ta;rh xzke Lojkstxkj ;kstuk** fdlku Hkkjrh vad 9 ist 36&38]

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15) Shweta Arora and **Ruchi Rani Gangwar** (November 2011) "Economic Viability of Primary milk producer cooperative societies in Udham Singh Nagar District of Uttarakhand". Indian Farmers' Digest, 44(11):15-16. (ISSN:0537-1589)

16) **Ruchi Rani Gangwar** and Ajay K. Singh (November 2011) "Status of Microfinance in India" Indian Farmers' Digest, 44(11):35-37 (ISSN:0537-1589)

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