

## ***Faculty Publications 2020-2021***

### **Research Articles in Journals**

#### **Articles indexed in Scopus (UGC Care List II)**

1. Ali, S., Shekhar, S., Chandrasekhar, T., Yadav, A.K., Arora, N.K., Kashyap, C. A., Bhattacharya, P., Rai, S.P., **Pande, P.**, Chandrasekharam, D. (2021). Influence of the water–sediment interaction on the major ions chemistry and fluoride pollution in groundwater of the Older Alluvial Plains of Delhi, India. *Journal of Earth System Science*, 130(98),1- 16. <https://doi.org/10.1007/s12040-021-01585-3>. (Impact Factor 1.423)
2. Al-Solamy, F. R., **Bansal, P.**, Chen, B. Y., Murathan, C. , Shahid, M.H. (2020). Geometry of chen invariants in statistical warped product manifolds. *International Journal of Geometric Methods and Modern Physics*, 7(06), 2050081, ISSN 0219-8878, 1793-6977. (Impact factor 1.874)
3. **Bhatia, P., Sharma, A., George, A.J., Anvitha, D., Kumar, P, Dwivedi, V.P., Chandra, N.S.** (2021). Antibacterial activity of medicinal plants against ESKAPE: An update. *Heliyon*, 7(2). e06310. DOI: 10.1016/j.heliyon.2021.e06310. Scopus Indexed (UGC CARE LIST II)
4. **Jain, R.** and Kumar, S. (2021). National Cadet Corps (NCC): Its Role in Integrating North Eastern Region (NER) with Mainstream India. *Indian Journal of Public Administration*, 67(1). <https://doi.org/10.1177/00195561211006558>.(UGC CARE list Group II)
5. **Kaur, S.P., Gupta, V.** (2020) COVID-19 Vaccine: A comprehensive status report. *Virus Research*, 288,198114. doi: 10.1016/j.virusres.2020.198114. (Impact Factor 2.934)
6. **Kuhad, U.,** Goel, G., Maurya, P.K., Kuhad, R.C. (2020). Sukshmajeevanu in Vedas: The Forgotten Past of Microbiology, Indian Vedic Knowledge. *Indian Journal of Microbiology*, 61(1),108-110. (Impact Factor 0.9).

7. Móríng, A, **Hooda, S.**, Raghuram, N., Adhya, T.K. et al (2021). Nitrogen challenges and opportunities for agricultural and environmental science in India. *Frontiers in Sustainable Food Systems*, 5, 505347. doi: 10.3389/fsufs.2021.505347 (Scopus Indexed)
8. **Sakshi, K.** (2020). The challenged digital capacity of India is now a state of a living in lockdown. *Aegaeum Journal*, 8(9), 291-301. doi:16.10089.AJ.2020.V8I9.285311.40925. (UGC CARE Group II)
9. **Sakshi, K.**, Bhomic., **S, Kumar, N., Gandotra, V.** (2020). FEEDU-Android Based One Stop Solution for Feedback Analysis. *Aegaeum Journal*, 8(8), 694- 707. doi:16.10089.AJ.2020.V8I8.285311.3969. (UGC CARE Group II)
10. **Dabas, S.C.** (2021). Dinkar ka Virtav Bhav aur Aapaddharm. I JAEMA, XIII 81-83, ISSN 0886-9367 (UGC-Care LIST II).
11. **Sharma, B., Shahanshah, M.F.H., Gupta, S., Gupta, V.** (2021). Recent advances in the diagnosis of COVID-19: A bird's eye view. *Expert Review of Molecular Diagnostics*.21(5),475-491.doi:10.1080/14737159.2021.1874354. (Impact Factor 4.096 )
12. **Singh, A., Gupta, V.** (2021) SARS-CoV-2 therapeutics: how far do we stand from a remedy? *Pharmacol Rep.* 3,1–19. doi: 10.1007/s43440-020-00204-0. (Impact Factor 2.754 )

#### Articles in UGC care List I Journals

1. **Dabas, S.C.** (2021). Swawlamban aur Gandhiji. *Samsaamyik Srijan*, 21:18-19, ISSN 2320-5733 (UGC-Care listed).
2. **Dabas, S.C. and Kumar, S. (2021).** Gandhi Ji Ke Atamnirbharta Ke Adarsh Ki Vartamaan Prasangikta. *Jyotirverd Prasthanam*, 10 (1), 05- 08, ISSN 2278-0327 (UGC-Care listed).
3. **Dabas, S.C. and Kumar, S. (2021).** Hindi Kavita Main Nayi Sambhavnao Ka Dwar Kholti Krati ‘Zaroorat Khawaab Dekhne ki’. *Jyotirverd Prasthanam*, 10(1), 53-56, ISSN 2278-0327 (UGC-Care listed).
4. **Kumar, R.** (2020). Dharmasatta Rajsatta aur seekari Ke Sant: Sharad Joshi Ki Vynagya Drishti. *Shodh Disha* 51:102, ISSN 0975-735X.(UGC-Care list 1).

5. **Kumar, R.** (2020). Lyrical Prose Ka Sansar. *Samsamyik Srijan*, 2:20, ISSN 2320-5733. (UGC-Care list 1).
6. **Kumar, R.** (2020). Parsai Ki Vyangya Kathaon ke Natya Roppantaran. *Gagananchal*, 3-4, 91 ISSN 0971-1430. (UGC-Care list I).
7. **Kumar, R.** (2020). Shiksha Aur Samajik Bahishkaran. *Samsamyik Srijan*, 1,190, ISSN 2320-5733. (UGC-Care list 1).
8. **Kumar, R.** (2020). Sir Arthur Gordon: Fiji Me Bhartiya Bandhua- Majdoor-Pravasan- Vyavastha Ke Prastootkarta, *Itihaas Shodh Patrika*, 6(2),65-84, ISSN 2319-8818. (UGC Care List I)
9. **Kumar, R.** (2021). Articulating Authority and Ideology through Built Structures: A Study of the Monuments of Akbar and Shah Jahan. *The Journal of Oriental Research, Madras*, XCH-XX, 39-48 ISSN0022-3301. (UGC CARE list I)
10. **Kumar, R.** (2021). *संस्कृत में काल-संज्ञा के विकास और प्रयोग*, *Shodh Disha*, 53(2),172-177, ISSN 0975-735X. (UGC CARE reference list I)
11. **Kumar, R.** (2021). *संस्कृत में काल-संज्ञा के विकास और प्रयोग*: *संस्कृत में काल-संज्ञा के विकास और प्रयोग*, *Shodh Disha*, 54 (2):61-66, ISSN 2348-2397 (UGC CARE list I).
12. **Kumar, R.** (2021). *संस्कृत में काल-संज्ञा के विकास और प्रयोग* : *संस्कृत में काल-संज्ञा के विकास और प्रयोग* *Shodh Sarita*, 8 (29):142-145, ISSN 2348-2397 (UGC CARE List I)
13. **Kumar, S.** (2021). Balmukund Gupt ki Hindi Patrakarita. *Jyotirverd Prasthanam*, 9 (6), 86-88, ISSN 2278-0327. (UGC-Care list I).
14. **Kumar, S.** (2021). Bhartiya Sanskriti Aur Tulsidas. *Drishtikon*, 13 (1), 198-200, ISSN 0975-119X. (UGC-Care list I).

15. **Kumar, S.** (2021). Gandhi Ji ke Atamnirbharta Sambandi Vichar. *Jyotirverd Prasthanam*. 9 (4), 68-71, ISSN 2278-0327. (UGC-Care list I).
16. **Kumar, S.** (2021). Rashtriyata ki Bhawana ke Vikas mein Hindi Sahityaka Yogdan. *Jyotirverd Prasthanam*, 9 (6), 37-42, ISSN 2278- 0327. (UGC-Care list I).
17. **Kumar, S.** (2021). Vaishvik Pridrisha Mein Yogki Prashangikta. *Jyotirverd Prasthanam*, 9 (5), 33-36, ISSN 2278-0327. (UGC-Care list I).
18. **Kumar, S.,** Pandey, A.K. (2021). Shivshambhu ke Chithe:Praja ke Prati Shashak ki Jwabdehi ki Mang. *Jyotirverd Prasthanam*, 9 (5), 85- 87, ISSN 2278-0327. (UGC-Care list I).
19. **Kumar, S.,** Pandey, A.K. (2021). Pandit Balkrishan Bhatt ka Sahitya aur Hindi Navjagaran. *Jyotirverd Prasthanam*, 10 (1),100-103, ISSN 2278-0327. (UGC-Care list I).
20. **Kumar, V.** (2020). Mahad Satyagrah: The Declaration of Equality. *Sambodhi*, 43 (04), 29-33.(UGC CARE List I)
21. **Kumar, V.,** Lata, K. (2021). Cultural Tourism, Hospitality and Cultural Development. *Jijnasa: A Journal of the History of Ideas and Culture*, 38 (3), 1-3. (UGC CARE List I)
22. **Meena, S.** (2020). The Dynamic Cohesion of the Mughals and the Traders in the Altering Political Scenario. *Adhigam*, 15: 111-118, ISSN2394-773X. (UGC-Care list I)
23. Singh, S., **Bhatt, S.,** & Singh, S. (2021). Cubic B-spline collocation method on non-uniform mesh for solving nonlinear parabolic partial differential equation. *Computational Methods for Differential Equations* (Accepted), (UGC-Care list 1).
24. Snigdha, S., Bajwa, T., Anand, S., Mohan L., Goyal, K., Mittal, M.,**Gupta, K.R.,** Wahlang, J. **Gupta, R. K.**and **Diwan, P.** (2021). A Cross-sectional Study on Prevalence of Betel nut Chewing Among the Youth of Meghalaya, North East Region of India: Development of Multifaceted Prevention Strategy: Prevalence of Betel Nut Chewing Among the Youth of Meghalaya” Accepted for Publication in *Asian Pacific Journal of Health Sciences*, ISSN 2350-0964; E-ISSN 2349- 0659 (UGC CARE LIST I)

## Research Articles in Books/Chapters published by faculty

1. Arora, Chitalkar, S., **Malhotra, P.** (2021). Delhi Riots 2020: The Untold Story. Garuda Prakashan, New Delhi.
2. **Bansal, P.**, Fernandez, L.M., Aquib, M. (2021). The slant submanifolds in the setting of metric  $f$ -manifolds, In proceedings: Advances in Intelligent Systems and Computing. Springer, ISBN 978-981-13-1591-6 , 978-981-13- 1592-3.
3. **Bhardwaj, D.**, (2020). Business Communication, Dreamtech Press, New Delhi. ISBN 978-81-94-7804-9-6
4. **Dabas, S.C.**, (2020). Manavta ke sacche sadhak: Gandhiji. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp: 164-170. Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
5. **Diwan P. Gupta, R. K.** (2021). Substantial Thrust to Indian Rural Economy through Village Dairy Cooperatives as Envisaged by Gandhi. In Devendra Kumar (Eds.) Self-Reliant India: A Gandhian Perspective, pp. 80-96, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
6. **Dutta, P.** (2021). The Psychological Representation of Partition: Agency of Religion as Portrayed in Train to India: Memories of Another Bengal and Lajja. In Munni Deb Mazumder (Eds.), Partition of India and its Roots and Legacy: Memory and Trauma, pp 113-122, EBH Publishers, Guwahati. ISBN978- 93- 90-434- 68- 8
7. **Gaur, A.** (2020). Swadhyaya: Yuva sanskriti. In : Gandhi: Across The Boundaries, pp. 175-178, Shivalik Prakashan, Delhi, ISBN 978-81-945562-1- 3.
8. **Gaur, A.** (2021). Gandhi Darshan ke paripekshay mein atmanirbhar bharat. In Devendra Kumar (Eds.) Self-Reliant India: A Gandhian Perspective, pp: 23-28, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
9. Ghildiyal, R., Prakash, V., Chaudhary, V.K., **Gupta, V.**, Gabrani, R. (2020) Phytochemicals as Antiviral Agents: Recent Updates. In: Swamy M. (Eds.) Plant-derived Bioactives, pp:279-295, Springer, Singapore, [http://doi.org/10.1007/978-981-15-1761-7\\_12](http://doi.org/10.1007/978-981-15-1761-7_12), Print ISBN 978-981-15-1760, Online ISBN 978-981-15-1761-7.
10. **Gupta, R. K., Diwan P.** (2020). The Gandhian way of Life: An Impeccable solution to World Environmental Concerns. In Devendra Kumar (Eds.) Gandhi Across the Boundaries,

pp: 52-62, Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.

11. **Karmakar, S.**, Sharma, R. S. and Mishra, V. (2020). Gandhian Philosophy as a driver of sustainable development. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp: 130-132, Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
12. **Kumar, N.** (2020). Quest for Recognition: Identity, Economy and Caste in Punjab. In Palaka, Provakar (Eds.) Reading the Margins: History, Culture and Literature. Mumbai: pp. 203-223, Peoples Literature Publication
13. **Kumar, D.** (2020). Gandhi: Across The Boundaries. Shivalik Prakashan, Delhi, India, ISBN 978-81-945562-1-3.
14. **Kumar, D.** (2021). Essence of Acaranga, Ibrj Publications, Delhi. ISBN 978-81-950103-1-8
15. **Kumar, D.** (2021). Self-Reliant India: A Gandhian Perspective, ShivalikPrakashan, Delhi, India, ISBN 978-93-87195-86-8.
16. **Kumar, R.** (2020). Vaishvik cinema aur Gandhi. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp.186-190. Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
17. **Kumar, R.** (2021). Imperial Ideology of the Mughals. In School of Open Learning (DU)- Study Material Unit I-VII, School of Open Learning, University of Delhi.
18. **Kumar, R.** (2021). Mansabdari and Jagirdari System under the Mughals. In School of Open Learning (DU)- Study Material Unit I-VII, School of Open Learning, University of Delhi.
19. **Kumar, R.** (2021). Viamarsh Drishti (Pankaj Subeer ki Kahaniyan), Shivna Prakshan, Sihor, Madhya Pradesh, ISBN: 978-93-81520-78-9.
20. **Kumar, V.**(2021).Relevance of Gandhi's Swadeshi and Self Reliance in Contemporary India. In Devendra Kumar (Ed.). Self- Reliant India: A Gandhian Perspective, pp: 137-144, Shivalik Prakashan, Delhi India, ISBN978-93-87195-86-8.
21. Malik, G., Chaturvedi, R, **Hooda, S.** (2021). Role of herbivore-associated molecular patterns (HAMPS) in modulating plant defenses. In: Singh I.K., Singh A. (Eds.) Plant-Pest Interactions: From molecular mechanisms to chemical ecology, Springer, Singapore. ISBN (978-981-15-2466-0), Online ISBN (978-981-15-2467-7). [https://doi.org/10.1007/978-981-15-2467-7\\_1](https://doi.org/10.1007/978-981-15-2467-7_1)
22. **Meena, S.** (2020). Recounting Travels in Difficult Times: Observation of Gemelli Careri.In Kadam, U.K. (Eds.) Medieval Deccan: an Era of Transition (Maratha State and the Age of

Conflict, Challenges and Collaboration), pp. 102-108, Lambert Academic Publishing, Berlin, ISBN: 978-620-0-50053-3

23. **Meena, S.** (2020). Contributed an article entitled 'Emergence of Rajput States in Northern India: Socio-Economic Foundation' for B.A. (Prog) II Year (History) in School of open learning study material, University of Delhi
24. **Rout, S.P.** (2020). Gandhian Values on Contemporary Global Peace. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp. 107-111 Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
25. **Rout, S.P.** (2021). Atma Nirbhar Bharat in the age of Globalisation Gandhian Model. In Devendra Kumar (Ed.). Self-Reliant India: A Gandhian Perspective, Pp 163-170, Shivalik Prakashan, Delhi India, ISBN 978-93- 87195-86-8.
26. **Sharma S.S., John, S. , Jain R** (2021). Swadeshi and Swaraj: A Shift from city to village. In Devendra Kumar (Eds.) Self-Reliant India: A Gandhian Perspective, pp: 121-130 Shivalik Prakashan, Delhi India, ISBN 978-93- 87195-86-8.
27. **Sharma, P.K.** and Suri, S. (2021). Fitness and Exercise Management. Friends Publication. New Delhi, India. ISBN 978-81-7216-570-3
28. **Sharma, S. and Jain, R.** (2020). Bhartiya Gandhiwadi Mulyon ki Bhumika. In : Gandhi: Across The Boundaries, pp. 171-174, Shivalik Prakashan, Delhi, ISBN 978-81-945562-1-3.
29. **Singh, R.** (2020). Emerging Opportunities and challenges in Indian Cottage Industries: A special reference to khadi Village industries. In Devendra Kumar(Eds.) Gandhi Across the Boundaries, pp: 116-129 Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
30. **Singh, R.** (2021). Primary Sector: The Backbone of Indian Economy, In: Mishra, J., Kumar, M. & Verma, K.K. (Eds.). Agriculture and Industry: Important pillars of Economic and Social Development, pp:70-77, Navyug Publications, Agra. ISBN 978-93-88873-11-6.
31. **Singh, R.** (2021). Role of Government to make India Self Reliant (Atma Nirbhar): A critical Review. In Devendra Kumar (Ed.). Self-Reliant India: A Gandhian Perspective, Pp 155-162, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.
32. **Tiwari, A.** (2020). Kaiti Kisani mein Gandhiji ki Prasangita. In Devendra Kumar (Eds.) Gandhi Across the Boundaries, pp: 191-195. Shivalik Prakashan, Delhi India, ISBN 978-81-945562-1-3.
33. **Tiwari, A.** (2021). Gandhi ke gaon mein Atmanirbharta ka raasta. In Devendra Kumar

(Eds.) *Self-Reliant India: A Gandhian Perspective*, pp: 50-57 Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.

34. **Tyagi, K.G.** (2020). Truth as the supreme Goal of Mahatma Gandhi and its relevance in 21<sup>st</sup> century. In Devendra Kumar (Eds.) *Gandhi Across the Boundaries*, pp: 112- 115, Shivalik Prakashan, Delhi India, ISBN 978-81- 945562-1-3.
35. **Tyagi, K.G.** and **Kumar, S.** (2021). Self-Reliance through the Window of Ancient Indian Wisdom Followed by Mahatma Gandhi and Agenda of Government of India. In Devendra Kumar (Ed.). *Self-Reliant India: A Gandhian Perspective*, pp: 131-136, Shivalik Prakashan, Delhi India, ISBN 978-93-87195-86-8.