A. Research papers

1. **Kuldip Chandra Verma**, Aparna dixit, Sanjay Kumar Verma, Pawanesh tamta, Mridul Mishra and kushagra Saxena(2025). Evaluation of roasting and puffing on phytoconstituents of amaranth grains with special emphasis on squalene enhancement: A vaccine adjuvant. South African Journal of Botany. 189:419-426. https://doi.org/10.1016/j.sajb.2025.12.008

2. **Kuldip Chandra Verma**, Kumkum Giri, Sanjay Kumar Verma, Pawanesh Tamta, and Nidhi Joshi (2024). γ-radiation induced phytochemical variability in buckwheat (*Fagopryum esculentum* Moench) seeds and plant leaves for daily consumption. International Journal of Radiation Biology.: 10.1080/09553002.2024.2445580

3. Nidhi Joshi, **Kuldip Chandra Verma**, Sanjay Kumar Verma and Pawanesh Tamta (2024). γ-radiations induced phytoconstituents variability in the grains of cultivated buckwheat species of Himalayan region. International Journal of Radiation Biology. 101(1):73-84: DOI: 10.1080/09553002.2024.2430246, Article ID: IRAB 2430246

4. **Kuldip Chandra Verma,** Pawnesh Tamata, Richa Joshi, Nidhi Joshi and Aditi Biswas(2024) Roasting induced phytoconstituents variability and effect of temperature on allergens of buckwheat cultivars. Journal of Food Measurement and Characterization. https://doi.org/10.1007/s11694-024-02813-2.

5. Aditi Biswas, **Kuldip Chandra Verma**, Kumkum Giri, Pawanesh Tamta and Nidhi Joshi(2024). Effect of microwave treatment on phytoconstituents of buckwheat (*Fagopyrum esculentum*) grains with special emphasis on allergenic proteins. Journal of Food Measurement and Characterization. 18:3353–3362 https://doi.org/10.1007/s11694-024-02409-w

6. Nidhi Joshi, Kumkum Giri, Aditi Biswas, Pawanesh Tamta, K. C. Verma (2023). Comparative Analysis of Nutritional Values, Bioactive Compounds and Antinutrients in Tartary and Common Buckwheat Leaves. Indian J. Plant Genetic Resources. 36(3) 449-454. DOI: 10.61949/0976-1926.2023.v36i03.15

7. Kuldip Chandra Verma(2022) Assessment of squalene variability and its enhancement in Amaranthus (*Amaranthus caudatus* L.) populations: With application to vaccine development. Biotechnology and Applied Biochemistry Article ID: 17300244, DOI: 10.1002/bab.2319.

8. **Kuldip Chandra Verma**, Amit Singh Rana, Nidhi Joshi and Dheeraj Bhatt, **(2020)**. Review on common buckwheat (*Fagopyrum esculentum* Moench): A potent Himalayan crop. Annals of Phytomedicine 9(2): 125-133

9. **Kuldip Chandra Verma,** Nidhi Joshi, Amit Singh Rana and Dheeraj Bhatt(2020): Quality parameters and medicinal uses of foxtail millet (*Setaria italica* L.): A review**.** Journal of Pharmacognosy and Phytochemistry. 9(4): 1036-1038

10. Nidhi Joshi and **Kuldip Chandra Verma**(2020): A review on nutrition value of Amaranth (*Amaranthus caudatus* L.): The crop of future. Journal of Pharmacognosy and Phytochemistry. 9(4): 317-319

11. **K.C.Verma(2018):** Biochemical Constituents of Buckwheat (*Fagopyrum esculentum* Moench) collected from different geographical regions of Himachal Pradesh. Molecular Biology Reports: 45 (6): 2681–2687. DOI: 10.1007/s11033-018-4437-8

12. **K.C.Verma**, S. K. Verma and K. Bains(2016) Biophysicochemical evaluation and micropropagation study of *Jatropha curcas*, and *Ricinus communis* for biodiesel production. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects. 38(6): 797-804

13. **K.C.Verma**, U.S.Singh, S.K.Verma and A.K.Gaur(2016) Molecular profiling of *Jatropha curcas* L. collected from different geographical locations of India. International Journal of Ambient Energy.37(1):20-23 DOI: 10.1080/01430750.2013.870603

14. **K.C.Verma** and S. K. Verma (2015) Biophysicochemical evaluation of *Jatropha curcas* biotypes for biodiesel production. Journal of Bioenergy and Biofuels. 1(1):86-91

15. **K.C.Verma** and S. K. Verma (2015) Interaction effect of explants types and phythormones on tissue culture of *jatropha curcas* seed embryo. Bioscan. 10(2): 563-566

16. **K.C.Verma** and S. K. Verma (2015) Biophysicochemical evaluation of wild hilly biotypes of *Jatropha curcas* for biodiesel production and micropropagation study of elite plant parts. Applied Biochemistry and Biotechnology.175(1): 549-559

17. **K. C. Verma and** S. Sapra, A. Bagga, M. A. Baigh(2014) Antioxidant activity assay of stem and *In vitro* callusing of *Tinospora cordifolia* (Miers.). Journal of Spices and Aromatic Crops. 23 (1): 91-97

18. **K.C.Verma**, M. A. Baigh, A. Bagga and S. Sapra(2013): Active ingredients under Ex-*situ* and *In-vitro* conditions of *Rauwolfia serpentina* L. and *Vinca minor* L.: Bioinfolet: 10(2a): 358-261

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22. **K.C.Verma** and M. A. Baigh(2012): Response of phosphorus and molybdenum on yield and quality attributing characters of indian mustard (brassica juncea l. czern & coss): Bioscan: 7(3) : 437-440

23. **K.C.Verma**, S.K.Verma and A.K.Gaur(2012): Biophysicochemical evaluation of Jatropha *curcas* L. collections for biodiesel production: Energy Sources, Part A: Recovery, Utilization, and Environmental Effects:37:2302–2308: DOI 10.1080/15567036.2012.698368

24. **K.C.Verma** and Nisha Juneja(2012): *Jatropha curcas* L.: Multipurpose Biofuel Plant: Agri. Reviews: 33(2): 165-169(4.37) Print ISSN**:** 0253-1496 **Online ISSN:** 0976-0539

25. **K.C.Verma**(2010): Ashwagandha (*Withania somnifera* Dunal): Wonder Medicinal Plant: Agri. Review: 31 (4): 292 – 297

26. **K.C.Verma** and A.K.Gaur (2011): Comparative callus induction efficiency from different explants of *Jatropha curcas* L. with respect to different phytohormonal combination: Pantnagar J. of Research:9(1):91-95(4.60)

27. **K.C.Verma** and A.K.Gaur (2011): Evaluation of response of from different explants of Ashwagandha (*Withania somnifera* Dunal) *In vitro*: Pantnagar J. of Research:9(2):253-258

28. **K.C.Verma** and S.K.Verma(2010): Analysis of active ingredients and SDS-PAGE profiling of aonla (*Phyllanthus emblica* L.): Agric. Sci. Digest : 30(1): 29-31

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30. **K.C.Verma** and A. K. Gaur(2011): Protein and alkaloid profiling from seeds and root of Indian Ginseng (*Withania somnifera* Dunal): Agric. Sci. Digest : 31 (1) : 51 – 53

31. **K.C.Verma** and A.K.Gaur (2009): *Jatropha curcas* L.: Substitute for conventional energy. World Journal of Agriculture Sciences: 5(5): 552-556

32. **K.C.Verma** ,A.K.Gaur and U.S.Singh (2008)Evaluation of *In vitro* responses from different explants of elite *Jatroha curcas* L. *Indian J. Plant Physiology* 13(3):231-237