



Government Home Science College, Chandigarh
Affiliated to Panjab University
NAAC Accredited Grade “A”
NIRF India Ranking 2023 by Ministry of Education. GOI:52nd

Research Papers

Year-2017

1. **Bansal V**, Kumar P, Kim KH, Kumar S, Dilbaghi N and Kim YH (2017). Modern progress and future challenges in nanocarriers for probe applications. *TrAC Trends in Analytical Chemistry*, 86, 235-250, ISSN 0165-9936.
2. **Bansal V**, Kumar P, Kim KH and Kumar P (2017). Nanostructured materials: a progressive assessment and future direction for energy device applications. *Coordination Chemistry Reviews*, 353, 113-141, ISSN 0010-8545.
3. **Bansal V**, Kumar P, Kwon EE and Kim KH (2017). Review of the quantification techniques for polycyclic aromatic hydrocarbons (PAHs) in food products. *Critical Reviews In Food Science and Nutrition*, 3297-3312, ISSN 1549-7852.
4. **Bansal V**, Prasad P, Mehta D and Sangwa RS (2017). Effect of drying techniques and treatment with blanching on the physicochemical analysis of bitter-gourd and capsicum. *LWT-Food Science & Technology*, ISSN 0023-6438.
5. **Bansal V**, Prasad P, Mehta D and Sangwa RS (2017). Effect of atmospheric cold plasma (ACP) with its extended storage on the inactivation of Escherichia coli inoculated on tomato. *Food Research International*, 102, 402-408, ISSN 0963-9969.
6. Biswas K and **Biswas R** (2017). Micropropagation of Liliium Asiatic in an Efficient Low Cost Novel Medium “KFA and KFA plus. *International Journal of Applied Agriculture Sciences*, 12, 33-41, ISSN: 0973-2683.
7. Biswas K, Dhir S, Samriti, **Biswas R** (2017). Effects of various growth regulators on callus induction of Justicia sps. and its co-relation with total phenolic and carbohydrate

content. *International Journal of Applied Agriculture Sciences*, 12, 111-117, ISSN: 0973-2683.

8. Biswas K, Ashima and **Biswas R** (2017). In-vitro Clonal Propagation of an Indian Medicinal Plant- *Justicia procumbens*. *International Journal of Applied Agriculture Sciences*, 12, 239-245, ISSN: 0973-2683.
9. Biswas K, Garg N and **Biswas R** (2017). PCR-RFLP of *Calotropis gigantea* (L)-A Tool for Forensic Application. , *International Journal of Applied Agriculture Sciences*, 12, 61-67, ISSN: 0973-2683.
10. Biswas K, Rohira H and **Biswas R** (2017). Antimicrobial Studies of in-vitro Propagated Three *Mentha* Species on Novel Media. *International Journal of Applied Agriculture Sciences*, 12, 219-226, ISSN: 0973-2683.
11. Biswas K, Rohira H and **Biswas R** (2017). Molecular Studies of in-vitro Propagated Three *Mentha* species on “KFA+”Media, *International Journal of Applied Agriculture Sciences*, 12, 211-217, ISSN: 0973-2683.
12. **Pradhan R** and Priyanka (2017). Study on the nutritional status and eating pattern of adolescent school going boys of Chandigarh, *International Journal of Food Science and Nutrition*, 2(5), 185-189, ISSN: 2455-4898.
13. **Pradhan R** and Gupta D (2017). Breast feeding practices in Chandigarh and Sri Ganganagar: A comparative study. *International Journal of Food Science and Nutrition*, ISSN: 2455-4898.
14. **Pradhan R** and Sethi K (2017). Organoleptic Assessment and Nutritive Value Evaluation of Cookie Developed Using Flaxseeds. *International Journal of Recent Scientific Research*, 8(8), 19574-19576, ISSN: 0976-3031.
15. **Pradhan R** and Sethi K (2017). Development and Sensory Evaluation of Granola Bars Fortified With Flaxseed, *International Journal of Recent Scientific Research*, 8(8), 19341-19343, ISSN: 0976-3031.
16. **Pradhan R** and Bhattacharya E (2017). Physical Activity and Life Style Pattern amongst Working Women. *International Journal of Recent Scientific Research*, 8(9), 20165-20168, ISSN: 0976-3031.

17. **Singh U** and Thakur A (2017). A study on hygiene, food safety practices and customers satisfaction among street food vendors, *International Journal of Family and Home Science*, 13 (2), 221-233, ISSN 0973-2608.
18. **Singh U** and Mehra A (2017). Quality Evaluation of Pearl Millet Incorporated Cupcakes, *International Journal of Current Advanced Research*, 6(6), 4410-4413, ISSN: O: 2319-6475.
19. **Singh U** and Mehra A (2017). Sensory evaluation of Ladoo prepared with pearl millet. *International Journal of Home Science*, 3(2), 6110-612, ISSN: 2395-7476.
20. **Singh U** and Mehra A (2017). Sensory and nutritional evaluation of biscuits Prepared from pearl millet (bajra). *International Journal of Food Science and Nutrition*, 2(4), 47-49, ISSN: 2455-4898.
21. **Singh U** and Mehra A (2017). Development, Organoleptic And Nutritional Evaluation of Pearl Millet Based Mathri. *International Journal of Recent Scientific Research*, 8(6), 17939-17942, ISSN: 0976-3031, 17939-17942.

Year-2018

1. Kumar P, **Bansal V**, Kim KH and Kwon EE (2018). Metal-organic frameworks (MOFs) as futuristic options for wastewater treatment, *Journal of industrial and engineering chemistry*, 62, 130-145, ISSN 1226-086X.
2. **Pradhan R** and Joshi S (2018). Nutritional Status of Pregnant Women Visiting Government Hospital, Chandigarh, *International Journal of Science and Research*, ISSN No:2319-7064
3. **Pradhan R** and Paul M (2018). A Study on the Risk Factors of Obesity among School Going Children (9-12 Years) of Chandigarh, *International Journal of Science and Research*, ISSN:2319-7064.
4. **Pradhan R** (2018). A study on sanitation, hygiene practices and food safety knowledge among food vendors in different sectors of Chandigarh, India, *Journal of Applied and Natural Science*, 10(3), 931-934, ISSN: 0974-9411 (Print), 2231-5209.
5. **Reenu** (2018). Synthesis, Biological Evaluation, Molecular Docking and DFT Study of Potent Antileishmanial Agents Based on the Thiazolo[3,2-a]pyrimidine Chemical Scaffold, *Chemistry Select*, 3(10), ISSN 2365 – 6549.
6. Samriti, **Biswas R** and Biswas K (2018). A novel approach against drug resistant microorganism. *International Journal of Pharmaceutical Sciences and Research*, 1-15, ISSN No: (Online): 0975-8232, ISSN (Print): 2320-5148.
7. Samriti, **Biswas R** and Biswas K (2018). Isolation and Characterization of Antimicrobial Peptides from *Datura innoxia* leaves having antimicrobial activity against selected bacteria. *World Journal of Pharmaceutical Research*, 7(5), 783-794, ISSN 2277-7105.

Year-2019

1. **Alagh P** (2019). Effect of Copper Oxide Nanoparticles synthesized from Chemical Precipitation Method (In-situ) on the Mechanical Properties of Sansevieria Trifasciata Fiber extracted from Sansevieria Trifasciata Plant. *International Journal of Management, Technology And Engineering*, XI(1), ISSN 2249-7455.
2. **Alagh P** (2019). Effect of Copper Oxide Nanoparticles synthesized from Chemical Precipitation Method (Ex-situ) on the Mechanical Properties of Sansevieria Trifasciata Fiber extracted from Sansevieria Trifasciata Plant. *Universal Review Journal*, XI (1), ISSN 2277-2723.
3. **Bansal V**, Jabeen K, Rao PS, Prasad P and Yadav SK (2019). Effect of high pressure processing (HPP) on microbial safety physicochemical properties and bioactive compounds of whey-based sweet lime (whey-lime) beverage. *Journal of Food Measurement and Characterization*, 455-465, ISSN 2193-4134.
4. **Kalra G** (2019). Retrieving the Human from the Divine: Cultural Memory, Everyday and the Contemporary Biographies of Vivekananda. *Journal of Literature & Aesthetics An international peer-reviewed journal devoted to critical and creative writing in English*, ISSN 2278-523X.
5. **Kalra G** (2019). (De) Coding Bodyscape: A Study of Select Visual Prints in the Nationalist Discourse. *Dibrugarh University Journal of English Studies*, 27, ISSN 2581-7833.
6. **Katyal S** and Khanna U (2019). A correlation among student problems. *International Journal of Research and Analytical Reviews*, 6(2), ISSN 2349-5138.
7. **Katyal S** and Khanna U (2019). Student problems and attitude towards school, *International Journal of Applied Home Science*, 6 (1), 8-11, ISSN 2394-1413.
8. Kumar V, Sharma DK, **Bansal V**, Mehta D, Sangwan RS and Yadav SK (2019). Efficient and economic process for the production of bacterial cellulose from isolated strain of Acetobacter pasteurianus of RSV-4 bacterium. *Bioresource Technology*, ISSN 0960-8524.
9. Mehta D, Sharma N, **Bansal V**, Sangwan RS and Yadav SK (2019). Impact of ultrasonication, ultraviolet and atmospheric cold plasma

processing on quality parameters of tomato-based beverage in comparison with thermal processing. *Innovative Food Science and Emerging Technologies*, 52, 343-349, ISSN 1466-8564.

10. **Reenu** (2019). Spectroscopic and computational analysis of Schiff base and its diphenyltin (IV) complex. *Journal of Molecular Structure*, 1185(5), 57-68, ISSN 0022 – 2860.
11. Samriti, **Biswas R** and Biswas K (2019). Antibacterial activity of antimicrobial peptide extracted from *Trianthema portulacastrum* Leaves & quot. *The Pharma Innovation*, 8(3): 81-86, ISSN 2349-8242.
12. **Singh U** and Kaur B (2019). To assess the nutritional status and dietary pattern of celiac disease patients. *International Journal of Applied Home Science*, 6(1), 56-60, ISSN 2394-1405.
13. **Singh U** and Dewan A (2019). Nutritive Value And Proximate Composition of Food Products Using Soyabean Flour (Glycine Max). *Journal of Emerging Technologies and Innovative Research*, 6(6), ISSN 2349-5162.
14. **Singh U** and Kashyap A (2019). Assessment of Dietary Intake and Physical Activity of School Going Children in District Kangra Himachal Pradesh. *International Journal of Science and Research*, ISSN No: 2319-7064.

Year-2020

1. Arpita and **Sonia** (2020). Designing of Dining Area range with mosaic art. *Shodh-Sanchar Bulletin An International Multidisciplinary Quarterly Bilingual Peer Reviewed Refereed Research Journal*, 10(40), 164-170, ISSN 2228-3620.
2. **Bansal V**, Hashemi B, Raza N, Kim KH, Raza W, Kumar P, and Brown RJ (2020). Review of the analytical methods for and clinical impact of additives and flavors used in electronic cigarettes. *Exposure and Health*, 12, 593-615, ISSN 2451-9685.
3. **Biswas R**, Biswas K, Bansal P and Gupta S (2020). Anti-viral (Anti-Flu), Anti Bacterial, Immunoboosting Oral Composition of Herbal Extracts for treating Respiratory Infections-A Case Study. *European Journal of Pharmaceutical and Medical Research*. 7(6), 760-765, ISSN 2394-3211.
4. Gupta S, Vinti, Bansal P, Biswas K and **Biswas R** (2020). Effectiveness of Amulya Amritatulsi Rasayan and Amulya Energy Z capsules in Treating Typhoid: A Case Study. *European Journal of Pharmaceutical and Medical Research*. 7(2), 523-528, ISSN 2394-3211.
5. **Neha S** (2020). Emotional maturity and resilience as predictors of psychological well being among adolescents of working & Non working mothers. *Shodh Sarita*, 7(28), 103-108, ISSN 2348-2397.
6. Rana S, Mehta D, **Bansal V**, Shivhare US and Yadav SK (2020). Atmospheric cold plasma (ACP) treatment improved in-package shelf-life of strawberry fruit. *Journal of Food Science and Technology*, 57, 102-112, ISSN 0975-8402.
7. **Sonia** (2020). Effect of age on foot shape among adult panjabi women. *Aegaeum*, ISSN 0776-3808.
8. **Sonia** (2020). Preference of footwear design among adult panjabi women of Chandigarh. *Journal of engineering, computing and architecture*, 10(9),76-82, ISSN 1934-7197.
9. **Sonia** (2020). Footwear problems among adult panjabi women of Chandigarh. *Journal Shanghai Jiaotong University*, ISSN 1007-1172.

Year-2021

1. Bhata FM, Chaiyasob T, Siddiquic MW, Meerakd J, **Bansal V**, Chittasuphog C, Shivamallui C, Devarajh J, Shashanka K, and Rose S (2021). Fighting against Severe Acute Respiratory Syndrome: A Systematic Review on Plant Foods and Natural Products as Complementary Herbal Medicines. *Systematic Reviews in Pharmacy*, 12(3), 597-610, ISSN 0976-2779.
2. **Chhaya** and Kaur S (2021). Antibacterial Efficiency Of Natural Dye Extracted from Eucalyptus Bark On Cotton Fabric. *Journal of Xi'an University of Architecture & Technology*, XIII(4),431, ISSN 1006-7930.
3. **Garg S** (2021). A study of helicopter parenting with home environment, resilience, anxiety, psychological well being, achievement values and anxiety among adolescents. *Shodh Sanchar Bulletin*, 11(41), 43-46, ISSN 2229-3620.
4. Gupta M and **Bansal V** (2021). Development of gluten free snacks using chickpea flour and flax seeds for celiac patients. *Journal of Emerging Technologies and Innovative Research*, 8(10), ISSN 2349-5162.
5. Gupta M and **Bansal V** (2021). Development of gluten free snacks using chickpea flour and flax seeds for celiac patients. *Journal of Emerging Technologies and Innovative Research*, 8(10), 223- 238, ISSN 2349-5162.
6. Janeoo, Shashi, Kaur H, Kaul G, Akhir A, Chopra S, Banerjee S, **Reenu**, Kumar V, and Kumar R (2021). Fluorine-Containing 2, 3-Diaryl Quinolines as Potent Inhibitors of Methicillin and Vancomycin-Resistant Staphylococcus aureus: Synthesis, Antibacterial Activity and Molecular Docking Studies. *Journal of Molecular Structure*, 244, ISSN 0022-2860.
7. **Kalra G** (2021). Re-Imagining Kabir. *The Book Review*, 25, ISSN 0970-4175.
8. **Kaur B** (2021). Prevalence of hypertension and its associated factors among affluent Khatri boys and girls of Chandigarh. *Indian Journal of Physical Anthropology & Human Genetics*. 40(2),173-194, ISSN: 0378-8156.
9. Lal R and **Garg S** (2021). A study of transphobia in relation to stereotypes, and peer pressure among young adults. *Shodh Sarita*. 8(29), 15-18, ISSN 2348-2397.

10. **Pradhan R** and Sobti A (2021). Optimizing Breastfeeding for better health Outcomes: A way forward. *International Journal of Scientific Research and Engineering Trends*. 5(5), 1655-1658, ISSN 2395-566X.
11. **Pradhan R** and Sobti A (2021). Current Scenario of Breastfeeding In India. *International Journal of Scientific Research and Engineering Trends*. 7(4), 2718-2722, ISSN 2395-566X.
12. Samriti, Sukesh, **Biswas R** and Biswas K (2021). Antimicrobial Proteins/Peptides Isolated From Two Species of Bougainvillea. *International Journal of Pharmaceutical Sciences and Research*. 12(1), 604-614, ISSN 0975-8232.
13. **Sethi N** (2021). Effect of Demographic and socio economic parameters on prevalence of anemia amongst pregnant women in Chandigarh. *The Journal of Oriental Research Madras*. 91-96, ISSN 0022-3301.
14. **Sonia** (2021). Designing of handbags of college joining girls. *The Indian Journal of Home Science*, 30(2), 0970 2733, IHMSF-30 (1-184) ISSN No. 0970-2733.

Year-2022

1. Aggarwal D, Bhardwaj A, Sobti AK, Fatma S, Sharma N and **Bansal V** (2022). Processing induced changes on coarse cereals (majorly millets) derived antioxidant compounds-a review. *Functional Food Science*, 2(8), ISSN 2767-3146.
2. Bansal U, Bhardwaj A, Singh SN, Khubber S, Sharma N, **Bansal V** (2022). Effect of incorporating plant-based quercetin on physicochemical properties, consumer acceptability and sensory profiling of nutrition bars. *Functional Foods in Health and Disease*. 12(3), ISSN 2160-3855.
3. Bangar SP, Chaudhary V, Sharma N, **Bansal V**, Ozogul and Lorenzo JM (2022). Kaempferol: A flavonoid with wider biological activities and its applications. *Critical Reviews in Food Science and Nutrition*, 1-25, ISSN 1549-7852.
4. Janeoo S, Saroa A, Kumar R, Kaur H and **Reenu** (2022). Computational investigation of bioactive 2, 3-diaryl quinolines using DFT method: FT-IR, NMR spectra, NBO, NLO, HOMO-LUMO transitions, and quantum-chemical properties. *Journal of Molecular Structure*, 1253, ISSN 0022-2860.
5. Kumar V, **Bansal V**, Madhavan A, Kumarc M, Sindhu R, Awasthi RM, Binod P and Saran P (2022). Active pharmaceutical ingredient (API) chemicals: a critical review of current biotechnological approaches. *Bioengineered*, 13(2), 4309-4327, ISSN 2165-5987.
6. Sharma N, Sahu JK, Joshi S, Khubber S, **Bansal V**, Bhardwaj A, Bangar SP and Bal LM (2022). Modulation of Lentil Antinutritional Properties Using Non-thermal mediated Processing Techniques-A Review. *Journal of Food Composition and Analysis*, 109, ISSN 0889-1575.