

1. Kumar V, Barwal A, Sharma N, Mir D.S., Kumar P, Kumar V \*. Therapeutic proteins: developments, progress, challenges, and future perspectives. 3Biotech. 2024. <https://doi.org/10.1007/s13205-024-03958-z>.
2. Kumar V\*, Sharma A, Sharma N, Saini R, El-Shazly M. Bioactive composition, biological activities, and toxicology of *Rubus ellipticus* fruits: Progress, pitfalls, and potential (2024) Naunyn-Schmiedeberg's Archives of Pharmacology. <https://doi.org/10.1007/s00210-024-02964>
3. Kaur M, Menon V, Kumar A, Prasad B, Singh B, Sharma S, Gupta S. (2024) Aerobic and anaerobic degradation of bioplastics. In *Bioplastics for Sustainability*. Elsevier.1:127-141.
4. Gupta, S., Kaur, M., Kaur, A., Kaur, A., Kumar, R., Singh, V. and Prasad, B., 2024. Microbial Tolerance Strategies Against Lead Toxicity. In *Lead Toxicity Mitigation: Sustainable Nexus Approaches* (pp. 183-210). Cham: Springer Nature Switzerland. Doi: 10.1007/978-3-031-46146-0\_9
5. Jebril, Siwar, Zina Fredj, Ayman Ali Saeed, Anne-Marie Gonçalves, Mandheer Kaur, Ashwani Kumar, and Baljit Singh (2024) "Nanomaterial-based electrochemical chemo biosensors for the detection of nanoplastic residues: trends and future prospects." RSC Sustainability 2, no. 4: 832-851.
6. Gupta, S., Kaur, A., Kumar, R., Kaur, S., Sneha, Prasad, B. and Singh, V., 2024. Biotechnological Approaches in Remediation of Lead Toxicity. In *Lead Toxicity Mitigation: Sustainable Nexus Approaches* (pp. 277-298). Cham: Springer Nature Switzerland. Doi: 10.1007/978-3-031-46146-0\_13
7. Menon, V., Kaur, M., Prasad, B., Khatra, H., Sharma, S. and Gupta, S., 2024. Unintended use of bioplastic: carbon, land, and water footprints. In *Bioplastics for Sustainability* (pp. 113-125). Elsevier. Doi: <https://doi.org/10.1016/B978-0-323-95199-9.00014-7>
8. Kaur, M., Menon, V., Kumar, A., Prasad, B., Singh, B., Sharma, S. and Gupta, S., 2024. Aerobic and anaerobic degradation of bioplastics. In *Bioplastics for Sustainability* (pp. 127-141). Elsevier. Doi: <https://doi.org/10.1016/B978-0-323-95199-9.00003-2>
9. Kaur M, Sharma D, Singh C, Kaur PS (2024) Bio-inspired synthesis of silver nanoparticles from *Terminalia chebula* leaves extract and evaluation of their antibacterial activity. *Scope*.
10. Kumar V, Sharma N, Umesh M, Sharma R, Sharma M, Sharma D, Sondhi S, Thomas J, Dheeman D, Kansal L, Jha NK (2024). Commercialization potential of PET

- (polyethylene terephthalate) recycled nanomaterials: A review on validation parameters. *Chemosphere*.352: 141453. <https://doi.org/10.1016/j.chemosphere.2024.141453>.
- 11.Sharma D, Parashar A, Sharma D, Attri S, Chaudhary A (2024) Microbial Sensors: A tool for accelerating sustainable green technologies. In *Microbial Approaches for Sustainable Green Technologies*. (pp. 1-20). CRC Press.
  - 12.Kaur, Mandheer, Renuka Sharma, Harjodh Singh, Palki Sahib Kaur, Vikas Menon, Aditya Kumar, and Simranjot Kaur (2024) "Lactarius deliciosus (L.)"; In *Edible and Medicinal Mushrooms of the Himalayas*, pp. 147-169. CRC Press.
  - 13.Sondhi S, Chopra NK, Kumar A, Gupta N. (2023) Laccase: A Green Solution for Environmental Problems. *Advances in Environmental and Engineering Research*.4(2):1-32.
  - 14.Sharma, N., Kumar, V., Gupta, N., Shekhar, P., & Kaur, P. S. (2023). Traditional Importance, Phytochemistry, Pharmacology, and Toxicological Attributes of the Promising Medicinal Herb *Carissa spinarum* L. *Separations*, 10(3), 158. <https://doi.org/10.3390/separations10030158>
  - 15.Gurpreet kaur (2023) Phytoactive Ingredient loaded Theranostics, In Sonam Chawla, Sachidanand Singh, Azamal Husen (Editors), *Smart Nanomaterials Targeting Pathological Hypoxia*, published by Springer Nature, pp 279–293 (ISBN: 978- 981-99-1717-4).
  - 16.Gurpreet kaur\*, Sonam Chawla, Piyush Kumar and Ritu Singh (2023) Advancing Vaccine Strategies against Candida Infections: Exploring New Frontiers, *Vaccines (MDPI)* 11(11), 1658, <https://doi.org/10.3390/vaccines11111658>.
  - 17.A Malik, Gurpreet Kaur, J.N. Agrewala (2023) Revolutionizing medicine with toll- like receptors: A path to strengthening cellular immunity, *International Journal of Biological Macromolecules*, 2023, 253(7), 127252 (Elsevier).
  - 18.Kaur M, Khatra H, Sharma D (2023) Role of oxidative microbial enzymes in dairy industries. In *Microbial Oxidative Enzymes: Biotechnological Applications*. Walter de Gruyter GmbH & Co KG.
  - 19.Kumar V, Sharma M, Sondhi S, Kaur K, Sharma D, Sharma S, Utreja D (2023) Removal of inorganic pollutants from wastewater: Innovative Technologies and Toxicity Assessment. *Sustainability*.15:16376. <https://doi.org/10.3390/su152316376>.
  - 20.Prasad B, Sharma D, Kumar P, Dubey RC. (2023) Biocontrol potential of *Bacillus* spp. for resilient and sustainable agricultural systems. *Physiological and Molecular Plant Pathology*. 128:102173. <https://doi.org/10.1016/j.pmpp.2023.102173>.

21. Kaur, M., Khatra, H., & Sharma, D. (2023). Role of oxidative microbial enzymes in dairy industries. *Microbial Oxidative Enzymes: Biotechnological Applications*, 239.
22. Menon, V., Kaur, M., Gupta, S., Nadda, A. K., Singh, G. B., & Sharma, S. (2023). Fabrication, properties and applications of gluten protein. In *Protein-Based Biopolymers* (pp. 41-57). Woodhead Publishing.
23. Pal, M., Yadav, V. K., Pal, P., Agarwal, N., & Rao, A. (2023). The physiological effect of rimI/rimJ silencing by CRISPR interference in Mycobacterium smegmatis mc2155. *Archives of Microbiology*, 205(5), 211.
24. Prasad, B., Gupta, S., & Kumar, A. (2023). Microbial Remediation of Lead: An Overview. *Lead Toxicity: Challenges and Solution*, 175-195.
25. Kumar, V., Sharma, N., Orfali, R., Patel, C. N., Alnajjar, R., Saini, R., ... & Perveen, S. (2023). Multitarget Potential of Phytochemicals from Traditional Medicinal Tree, Terminalia arjuna (Roxb. ex DC.) Wight & Arnot as Potential Medicaments for Cardiovascular Disease: An In-Silico Approach. *Molecules*, 28(3), 1046.
26. Kumar, V., & Sharma, N. (2023). Fungal Biofertilizers: Present Trends and Future Prospects. In *Metabolomics, Proteomes and Gene Editing Approaches in Biofertilizer Industry* (pp. 189-204). Singapore: Springer Nature Singapore.
27. Sharma, N., Gupta, N., Orfali, R., Kumar, V., Patel, C. N., Peng, J., & Perveen, S. (2022). Evaluation of the Antifungal, Antioxidant, and Anti-Diabetic Potential of the Essential Oil of Curcuma longa Leaves from the North-Western Himalayas by In Vitro and In Silico Analysis. *Molecules*, 27(22), 7664.
28. Sharma, N., Kumar, V., Gupta, N., Shekhar, P., & Kaur, P. S. (2023). Traditional Importance, Phytochemistry, Pharmacology, and Toxicological Attributes of the Promising Medicinal Herb Carissa spinarum L. *Separations*, 10(3), 158.
29. Kumar, V., Sharma, N., Sourirajan, A., Khosla, P. K., & Dev, K. (2023). Correlation of biological activities of bark and leaves of Terminalia arjuna collected from different geographical regions of Himachal Pradesh, India. *Biochemical Systematics and Ecology*, 106, 104563.
30. Kumar, V., Sharma, N., Saini, R., Mall, S., Zengin, G., Sourirajan, A., ... & El-Shazly, M. (2023). Therapeutic potential and industrial applications of Terminalia arjuna bark. *Journal of Ethnopharmacology*, 116352.
31. Sondhi, S., Kaur, P. S., Kant, S., & Kaur, A. (2022). Improvement of bread Quality by Inclusion of Alpha Amylase from *Bacillus Licheniformis*. 4 (2): 280-85.
32. Chopra, N. K., & Sondhi, S. (2022). Biodegradation of indigo carmine dye by laccase

from *Bacillus licheniformis* NS2324. *Def Life Sci J*, 7, 276-281.

33. Kumar, V., Kumari, P., Arora, V., Dixit, H., Singh, R., & Sharma, N. (2022). Comparative analysis of phytochemicals, in vitro antimicrobial and in vitro antidiabetic activity of different parts of *Terminalia bellerica* fruits. *Arabian Journal of Medicinal and Aromatic Plants*, 8(3), 115-130.
34. Mandheer Kaur, Chaitanayajit Singha, Ankit Magotra, Palki Sahib Kaura, Aditya Kumar (2022) Effect of Different Seasons on the Milk Quality Parameters of Mohali District. 5(1): 336-338.
35. Menon, V., Pandey, D., Khosla, D., Kaur, M., Vashishtha, H. K., George, A. S., & Pandey, B. K. (2022). A Study on COVID–19, Its Origin, Phenomenon, Variants, and IoT-Based Framework to Detect the Presence of Coronavirus. In *IoT Based Smart Applications* (pp. 1-13). Cham: Springer International Publishing.
36. Saini R, Sharma N, Oladeji OS, Sourirajan A, Dev K, Zengin G, El-Shazly M, Kumar V. (2022) Traditional uses, bioactive composition, pharmacology, and toxicology of *Phyllanthus emblica* fruits: A comprehensive review. *Journal of ethnopharmacology*. 282:114570.
37. Gagandeep Kaur, Sonica Sondhi, Palki Sahib Kaur, Anjoo Kamboj, Shalini Verma, (2021) Synthesis and characterisation of zinc oxide nanoparticles and its antimicrobial activity against *Staphylococcus aureus* and *Micrococcus*- *International Journal of Nanoparticles*, 13,2,96-105,2021
38. Sonica Sondhi, Palki Sahib Kaur, Himansi Sura, Manisha Juglani, Deepali Sharma (2021) Amylase Based Clarification of Apple, Orange and Grape Juice, *CGC International Journal of Contemporary Technology and Research* ISSN: 2582-0486 (online) Vol.-3, Issue-2 DOI: 10.46860/cgcijctr.2021.06.31.187
39. Sondhi, S., Kaur, R., Madan, J. (2021) Purification and characterization of a novel white highly thermo stable laccase from a novel *Bacillus* sp. MSK-01 having potential to be used as anticancer agent. *International Journal of Biological Macromolecules*, 2021, 170, pp. 232–238
40. Rabia Bhardwaj, Rohini D Gulhane, Harsh Panwar (2021) Prokaryotic and Eukaryotic gene expression modulation study in IF9 and LGG towards understanding molecular modes of probiotic functionalities. Conference: International e-symposium on Probiotics, Prebiotics & Gut Microbiome: Key regulators for Human and Animal Health
41. Indu Kumari and Srikanth Ponnada, Hybrid nuclear-renewable energy systems for sustainable development: Current status and future prospects, *International Conference*

on Radiation safety and advanced technological researches (ICNRA2021), Istanbul, Turkey, 10-11 December, 2021. ISBN: 978-975-561-530-1 (International Conference proceeding).

42. Rabia Bhardwaj, Palki Sahib Kaur (2021) In silico comparison for predicted structures of active domains of various Pathogen Recognition receptors involved in disease resistance. Conference: Online International Conference on Recent Advancement in Science, Engineering, Management & Humanities
43. Sharma S, Chaudhary R, Rolta R, Sharma N, Sourirajan A, Dev K, Kumar V (2021) Effect of solvent on yield, phytochemicals and in vitro antioxidant potential of *Rhododendron arboreum*. Research Journal of Pharmacy and Technology, 2021; 14(1):311-316.
44. Gupta N, Sharma N and Ramniwas S (2021) Botanical Pesticides: Use of Plants in Pest. CGC International Journal of Contemporary Technology and Research. 2021; 4;1:271-275.
45. Kumar V, Sharma N, Chandel SR, Guleria S, Sourirajan A, Dev K, Hegde S, Khosla PK. (2021) Genetic diversity in *Terminalia arjuna* from the North Western region of Himachal Pradesh, India. Ecological Genetics and Genomics. 2021;21:100100.
46. Salaria D, Rolta R, Sharma N, Patel CN, Ghosh A, Dev K, Sourirajan A, Kumar V (2021) In vitro and in silico antioxidant and anti-inflammatory potential of essential oil of *Cymbopogon citratus* (DC.) Stapf. of North-Western Himalaya. Journal of Biomolecular Structure and Dynamics. 2021:1-5.
47. Mall S, Srivastava R, Sharma N, Patel CN, Rolta R, Sourirajan A, Dev K, Ghosh A, Kumar V (2021) Antihypertensive activity of phytochemicals from selected medicinal plants via inhibition of angiotensin-converting enzyme (ACE) protein: an *in-silico* approach. Nat Prod Res. 2021:1-4.
48. Sharma N, Kumar V, Gupta N (2021) Phytochemical analysis, antimicrobial and antioxidant activity of methanolic extract of *Cuscuta reflexa* stem and its fractions. Vegetos. 2021:1-6.
49. Kumar V, Chandel SR, Guleria S, Sharma N, Sourirajan A, Khosla PK, Dev K. (2021) Comparative analysis of phytochemicals, antimicrobial and antioxidant activity of different species of *Terminalia* from Himachal Pradesh, India. Vegetos. 2021:1-2.
50. Sharma V, Sharma N, Sheikh I, Kumar V, Sehrawat N, Yadav M, Ram G, Sankhyan A, Sharma AK. (2021) Probiotics and Prebiotics Having Broad Spectrum Anticancer Therapeutic Potential: Recent Trends and Future Perspectives. Current Pharmacology

Reports. 2021:1-3.

51. Sharma N, Kumar V, Chopra MP, Sourirajan A, Dev K, El-Shazly M. (2020) *Thalictrum foliolosum*: A lesser unexplored medicinal herb from the Himalayan region as a source of valuable benzyl isoquinoline alkaloids. *J Ethnopharmacol.* 2020; 255:112736. doi:10.1016/j.jep.2020.112736.
52. Deepa Grover, Sonica Sondhi, B. Banerji (2020) Design of Analytic Wavelet Transform with Optimal Filter Coefficients for Cancer Diagnosis Using Genomic Signals. *International Journal of Biomedical Engineering and Technology* (Vol.34 No.2, pp.172 - 188) SCOPUS
53. Sonica Sondhi, Palki Sahib Kaur, Mahakmeet Kaur (2020) Techno-economic analysis of bioethanol production from microwave pretreated kitchen waste. *SN Applied Sciences* 2 (9), 1-13. SCOPUS/ESCI
54. Kataria, S., Sondhi, S., Kaur, P. S., & Bajwa, J. (2020). Bio preservative potential of bacteriocins: classification, mode of action and application: a review. *Plant Cell Biotechnology And Molecular Biology*, 21(19-20), 15-28. SCOPUS
55. Steffy Angural, Aditya Kumar, Deepak Kumar, Rahul Warmoota, Sonica Sondhi & Naveen Gupta (2020) Lignolytic and hemicellulolytic enzyme cocktail production from *Bacillus tequilensis* LXM 55 and its application in pulp biobleaching. *Bioprocess Biosyst Eng* (2020). <https://doi.org/10.1007/s00449-020-02407-4> (impact factor 2.419) Science Citation Index and Science Citation Index Expanded
56. Sharma A, Thakur A, Kumari R, Aarushi, Rolta R, Sharma N, Sourirajan A, Dev K, Kumar V. (2020) Comparison of extraction yield, phytochemicals and *in vitro* antioxidant potential of different extracts of two *Ficus species*. *Plant Archives*, 2020, 20 (1): 2669-2673.
57. Kumar R, Kumar V, Sharma N, Rolta R, Lal UR, Sourirajan A, Dev K. (2020) *Thalictrum foliolosum* DC: An unexplored medicinal herb from North western Himalayas with potential against fungal pathogens and scavenger of reactive oxygen species. (*Biocatalysis and Agricultural Biotechnology*, <https://doi.org/10.1016/j.bcab.2020.101621>).
58. Sharma N, Gupta L, Kumar V, (2020) Corona Outbreak: Mental Health Implications of Lockdown and Quarantine due to Coronavirus spread. *CGC International Journal of Contemporary Technology & Research*. 2020; 3(1): 139-143.
59. Kumar V, Salaria D, Rolta R, Sharma N, Dev K, Sourirajan A. *In silico* and *In vitro* evaluation of the anti-inflammatory and antioxidant potential of *Cymbopogon citratus*

from North-western Himalayas, 2020.

60. Kumar V, Sharma N, Sourirajan A, Khosla PK, Dev K. (2020) Docking studies in targeting proteins involved in cardiovascular disorders using phytochemicals from *Terminalia arjuna*. bioRxiv. 2020.
61. Sonica Sondhi, Palki Sahib Kaur, Mahakmeet Kaur (2020) Techno economic analysis of Bioethanol production from microwave pretreated kitchen waste, 9, SN Applied Sciences, 2, 9, 1-13, Springer International Publishing
62. Shelly Kataria, Sonica Sondhi, Palki Sahib Kaur, Jasveen Bajwa, (2020) Bio preservative potential of bacteriocins: classification, mode of action and application: a review- plant cell biotechnology and molecular , 2020/7/30, 15-28
63. Preeti Chauhan, Palki Sahib Kaur, Arockia M Babu (2020) CYCLIN D1: As a Risk of Breast Cancer. CGC International Journal of Contemporary Technology & Research, 3(1) 134-38 ISSN: 2582-0486 (online) DOI: 10.46860/cgcijctr.2020.12.26.134.
64. Mandheer Kaur<sup>1</sup>, Sahil Sharma, Chaitanayajit Singh, Ankit Magotra, Preeti Devi, Shilpa Bhat, Palki Sahib Kaur, Arockia M. Babu. (2020) Population Based Survey Study Associated With Prevalence Of Cardiovascular Risk Factors In India. CGC International Journal of Contemporary Technology & Research, 3(1) 144-48 ISSN: 2582-0486 (online) DOI: 10.46860/cgcijctr.2020.12.26.144.
65. Preeti Chauhan, Lalit Kumar, Palki Sahib Kaur, Arockia M Babu, Ramesh Sabharwal, Yashpal Verma (2020) Biomarkers in breast cancer. OncoExpert. 2020;6(1):09-15. ISSN: 2454-1680
66. Preeti Chauhan, Arockia M Babu, Palki Sahib Kaur, Vikas Menon. Hereditary Breast Cancer: A Systematic Review. (2020) CGC International Journal of Contemporary Technology & Research, 2(1) 48-52. ISSN: 2582-0486
67. Mandheer Kaur<sup>1</sup>, Sahil Sharma, Chaitanayajitsingh, Ankit Magotra, Preeti Devi, Shilpa Bhat, Palki Sahib Kaur, Arockia M. Babu. (2020) Population Based Survey Study Associated With Prevalence Of Cardiovascular Risk Factors In India. CGC International Journal of Contemporary Technology & Research, 3(1) 144-48 ISSN: 2582-0486 (online) DOI: 10.46860/cgcijctr.2020.12.26.144.
68. Preeti Chauhan, Lalit Kumar, Palki Sahib Kaur, Arockia M Babu, Ramesh Sabharwal, Yashpal Verma (2020) Biomarkers in breast cancer. OncoExpert 2020;6(1):09-15. ISSN: 2454-1680
69. Preeti Chauhan, Arockia M Babu, Palki Sahib Kaur, Vikas Menon (2019) Hereditary Breast

70. Sonica Sondhi, Kiranjot Saini, (2019) Response surface based optimization of laccase production from Bacillus sp. MSK-01 using fruit juice waste as an effective substrate”, Heliyon, 5: e01718, 1-8, 2019. (ESCI)
71. Palki Sahib Kaur, Arpit Sharma, Sonica Sondhi, Sheetal Bansal, Alka Thakur, M.Arockia Babu, (2019). Immobilization of Alpha Amylase Using Dual Matrix Entrapment: Method for Commercial Usability. CGC International Journal of Contemporary Technology & Research 1(2): 26-29
72. Palki Sahib Kaur, Sukhjeet Kaur, Hardish Kaur, Sonica Sondhi (2019) Purification and characterization of a amylase from Bacillus licheformis MTCC 1483 having applications in textile industry. International Journal of Engineering, Applied and Management Sciences Paradigms, 54(1): 363-368
73. Palki Sahib Kaur, Sukhjeet Kaur, Hardish Kaur, Sonica Sondhi (2019) Purification and characterization of a amylase from Bacillus licheformis MTCC 1483 having applications in textile industry,” International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM) Volume 54 Issue 1 April 2019 363 ISSN 2320-6608.
74. Mandheer Kaur , Ankit Magotra , Shilpa, Love Kumar, Vikas Menon, Palki Sahib Kaur, Arockia M. Babu, (2019) Novel Approaches to Early Pregnancy Detection with Decreased Mortality Rate, CGC International Journal of Contemporary Technology & Research ISSN: 2582-0486 (online), Vol.-2, Issue -1 DOI: 10.46860/cgcijctr.2019.12.20.62
75. Sonica Sondhi, Kiranjot Saini, (2019) Response surface based optimization of laccase production from Bacillus sp. MSK-01 using fruit juice waste as an effective substrate”, Heliyon, 5: e01718, 1-8, 2019. (ESCI)
76. Palki Sahib Kaur, Arpit Sharma, Sonica Sondhi, Sheetal Bansal, Alka Thakur, M.Arockia Babu, (2019). Immobilization of Alpha Amylase Using Dual Matrix Entrapment: Method for Commercial Usability. CGC International Journal of Contemporary Technology & Research 1(2): 26-29
77. Palki Sahib Kaur, Sukhjeet Kaur, Hardish Kaur, Sonica Sondhi (2019) Purification and characterization of a amylase from Bacillus licheformis MTCC 1483 having applications in textile industry. International Journal of Engineering, Applied and Management Sciences Paradigms, 54(1): 363-368
78. Sharma N, Kumar V, Panda BK, Gupta N. (2019) Probiotics: A Friend with Benefits.

- CGC International Journal of Contemporary Technology & Research. 1(2): 35-40.
79. Chandel SR, Kumar V, Guleria S, Sharma N, Sourirajan A, Khosla PK, Baumler DJ, Dev K. (2019) Sequential fractionation by organic solvents enhances the antioxidant and antibacterial activity of ethanolic extracts of fruits and leaves of *Terminalia bellerica* from North Western Himalayas, India. *Pharmacognosy Journal*. 2019; 11(1): 94-101.
  80. Chauhan S, Samanta S, Sharma N, Thakur JK, Dev K, Sourirajan A. (2019) *Saccharomyces cerevisiae* polo-like kinase, Cdc5 exhibits ATP-dependent Mg<sup>2+</sup>-enhanced kinase activity *in vitro*. *Heliyon*. 2019; 5(12):e03050.
  81. Palki Sahib Kaur, Arpit Sharma, Sonica Sondhi, Sheetal Bansal, Alka Thakur, M.Arockia Babu, (2019). Immobilization of Alpha Amylase Using Dual Matrix Entrapment: Method for Commercial Usability. *CGC International Journal of Contemporary Technology & Research* 1(2): 26-29
  82. Sonica Sondhi, R Kaur, S Kaur, Palki Sahib Kaur (2018). Immobilization of laccase-ABTS system for the development of a continuous flow packed bed bioreactor for decolorization of textile effluent” *International Journal of Biological Macromolecules* 117:1093-1100 (2018).
  83. K Kaur, S Sondhi, Palki Sahib Kaur (2018) Statistical Optimization of the Production of Protease from *Bacillus* sp.,” MSK-01 in Submerged Fermentation. *Journal of Commercial Biotechnology* 23 (4)
  84. Sonica Sondhi, Palki Sahib Kaur and M. Arockia Babu (2018) Optimization of Laccase Production from *Bacillus* Sp. Msk-01 using Sweet Lime Peels as an Effective Substrate” *CGC International Journal of Contemporary Technology and Research – Vol. 1 Issue 1* (November 2018)
  85. Kumar V, Sharma N, Sourirajan A, Khosla PK, Dev K. (2018) Comparative evaluation of antimicrobial and antioxidant activity of ethanolic extracts and its fractions of bark and leaves of *Terminalia arjuna* from North-Western Himalayas, India. *Journal of traditional and complementary medicine.*;8(1): 100-108.
  86. Kumar V, Sharma N, Sourirajan A, Khosla PK, Dev K. (2018) Comparative evaluation of antimicrobial and antioxidant potential of ethanolic extract and its fractions of bark and leaves of *Terminalia arjuna* from north-western Himalayas, India. *Journal of traditional and complementary medicine*. 2018 Jan 1;8(1):100-6.
  87. Sharma N, Vaid R., Dev K, and Sourirajan A. Polo-like Kinase (PLK) (2018) S. Choi (ed), *Encyclopedia of Signaling Molecules* (2<sup>nd</sup> Edition). 4100-4106.
  88. S. Sondhi, R. Kaur, S. Kaur, P.S. Kaur, (2018) Immobilization of laccase-ABTS system

for the development of a continuous flow packed bed bioreactor for decolorization of textile effluent. *Int. J. Biol. Macromol.*, vol. 117, pp. 1093-1100, 2018.

89. Deepak Kumar, Aditya Kumar, Sonica Sondhi, Prince Sharma, Naveen Gupta (2018) An alkaline bacterial laccase for polymerization of natural precursors for hair dye synthesis. *3 Biotech* (2018) 8: 182 <https://doi.org/10.1007/s13205-018-1181-7>
90. Deepa Grover, Sonica Sondhi, B. Banerji (2018) Cancer Identification VIA Weighted Entropy Method and Decision Tree Method. *International Journal for Research in Applied Science & Engineering Technology (IJRASET)* 6: 55-66
91. Sonica Sondhi, Palki Sahib Kaur and M. Arockia Babu (2018) Optimization of Laccase Production from *Bacillus Sp. Msk-01* using Sweet Lime Peels as an Effective Substrate. *Cgcijetr* 1(1): 14-21
92. Kulwant Kaur, Sonica Sondhi, Palki Sahib Kaur (2017) Statistical Optimization of the production of protease from *Bacillus sp. MSK-01* in submerged fermentation. *Journal of Commercial Biotechnology* 23(4), 28–37. doi: 10.5912/jcb810.
93. Sonica Sondhi, Deepak Kumar, Steffy Angural, Naveen Gupta (2017) Enzymatic Approach for Bioremediation of Effluent from Pulp and Paper Industry by Thermo Alkali Stable Laccase from *Bacillus tequilensis* SN4. *Journal of Commercial Biotechnology* 23(4), 12–21. doi: 10.5912/jcb799.
94. Palki Sahib Kaur, Sonica Sondhi, Sukhjeet Kaur, Hardish Kaur, Sheetal Bansal, (2017) Statistical Optimization of the production of  $\alpha$ -amylase from *Bacillus licheniformis* MTCC 1483 using paddy straw as substrate. *Journal of Commercial Biotechnology* (2017) 23(2), 37–45. doi: 10.5912/jcb784
95. Pal Suksham, Handa Jyoti, Kaur Palki Sahib (2017) Chemical hydrolysis optimization for release of sugars from wheat bran” *International Journal of Innovative Science, engineering and Technology*, Vol. 4 Issue 6, June 2017 ISSN 2348-7968 Impact factor 5.264.
96. Sharma N, Vaid R., Dev K, and Sourirajan A. Polo-like Kinase (PLK) (2017) S. Choi (ed), *Encyclopedia of Signaling Molecules* (1<sup>st</sup> Edition).1-7.
97. PS Kaur, S Kaur, H Kaur, S Sondhi (2017) Statistical optimization of the Production of alpha-amylase from *Bacillus licheniformis* MTCC 1483 using paddy straw as substrate , - *Journal of Commercial Biotechnology*
98. Rakesh Kr Pandit, Tapan K Mukherjee, Ashok Kumar, Varinder Kumar, Palki Sahib Kaur (2016) Structure prediction and assessment of beta-lactamase tem-1 from *S. typhi* using molecular dynamics and simulation studies,” *Inter. J. Rec. Scin. Res* 2016,

7(3):9509-9513.

99. Kaur Palki Sahib, Pandit Rakesh Kr, Singh Satinder Pal, Singh Apoorva, Gupta Nidhi (2016) Awareness and knowledge of people towards probiotics products in punjab region” Int. J. App. Bio. Pharam. Tech. 7(1):154-160.
100. Kaur Mandheer, Kaur Amritpal, Mohanty A.K., Kaur Palki Sahib (2016) Extraction of milk fat globule membrane from buffalo (*Bubalus bubalis*) milk”, Recent advances in emerging technologies ISBN 978-81-929890-1-3:115), SGGSWU, Fatehgarh Sahib Punjab
101. Mandheer Kaur, Amritpal Kaur, AK. Mohanty , Navreet Kaur , Raman Kumar , Palki Sahib Kaur (2016) Pregnancy stress and lymphocytes activity in bovines Application of biotechnology in Industry and society”12-14, April 2016 NIT ,Jalandhar
102. Kaur, M. , Kaur, A , Mohanty , AK., Kaur , P.S., (2016) Standardisation of protocol for membrane bound lactoferrin purification from bovine milk. Asian academic research journal of multidisciplinary. 3 (9): 207-213.
103. Kaur Palki Sahib, Pandit Rakesh Kr, Singh Satinder Pal, Singh Apoorva, Gupta Nidhi Awareness and knowledge of people towards probiotics products in punjab region Int. J. App. Bio. Pharam. Tech. 2016, 7(1):154-160
104. Sonica Sondhi, Deepak Kumar, Steffy Anugral, Naveen Gupta. Optimization of the production of novel thermo alkali stable laccase from *Bacillus tequilensis* SN4 in submerged fermentation. Recent advances in emerging technologies. 1 – 3: 217- 233.
105. Palki Sahib Kaur, Sukhjeet Kaur, Hardish Kaur, Arpit Sharma, Pushap Raj and Shaily Panwar (2015) Solid substrate fermentation using agro industrial waste: New approach for Amylase production by *Bacillus licheniformis*” Int. J. Curr. Microbiol. App.Sci 2015, 4(12): 712-717
106. Kaur, P. S., Pandit R. K., Singh S. P., Singh A., & Gupta, N. (2015) “Awareness and Knowledge of People towards Probiotics Products in Punjab Region”. International Journal of Applied Biology and Pharmaceutical Technology 7(1):154-160.
107. Vivek Sharma Investigating S100A4 as therapeutic target vis-a-vis employability of Ayurvedic concepts for advanced research and clinical relevance J. Biotechnol. Biomater 2015, 5:6
108. Palki Sahib Kaur, Sukhjot Kaur, Hardish Kaur, Arpit Sharma, Pushap Raj and Shaily Panwar Solid substrate fermentation using agro industrial waste: New approach for Amylase production by *Bacillus licheniformis* Int. J. Curr. Microbiol. App.Sci 2015, 4(12): 712-717.

109. Bhatia A., Sharma A., Balgir P. P. , Kapoor D , Deol. M. K. Evaluation of immunomodulatory, antioxidant and anticancerous potential of 9z, 11e isomer of CLA IJPRBS, 2015; Volume 4(2): 277-290.
110. Aruna Bhatia, Arpit Sharma, Praveen P. Balgir and Deepak Kapoor Anti-cancerous effect of linoleic acid and conjugated linoleic acid on hepatic cancer cells and histocytic lymphoma cells: Invitro Advances in Applied Science Research, 2015, 6(4):114-117.
111. Palki Sahib Kaur, Sukhjit Kaur, Hardish Kaur, Arpit Sharma, Pushap Raj and Shaily Panwar. Solid substrate fermentation using agro industrial waste: New approach for Amylase production by Bacillus licheniformis Int. J. Curr. Microbiol. App.Sci 2015, 4(12): 712-717
112. Shobha R Dhiman, Divya Khanna, Gurloveleen Kaur, Palki Sahib Kaur, Praveen P Balgir (2010) PCR based g3m (11) and g3m (21) allotyping amongst rheumatoid arthritis patients, 2010/1/5, bionature, 29-37.