

Curriculum Vitae

Dr. Vinod Chhokar
Professor of Biotechnology
Registrar and University Proctor
Guru Jambheshwar University of Science & Technology
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Date of Birth : 05.06.1970

Academic Qualifications:

- Ph.D. (Biochemistry), 1999 [78.40%] CCS Haryana Agricultural University, Hisar.
- M.Sc. (Biochemistry), 1992 [72.80%] CCS Haryana Agricultural University, Hisar.

Administrative Experience:

- Registrar, Guru Jambheshwar University of Science & Technology, Hisar. [August 29, 2023, to continue]
- Technical Advisor (Administration) to Vice Chancellor, Guru Jambheshwar University of Science & Technology, Hisar. [May 4, 2023, to continue]
- University Proctor, Guru Jambheshwar University of Science & Technology, Hisar. [July 1, 2022, to continue]
- Dean, International Relations, Guru Jambheshwar University of Science & Technology, Hisar. [September 4, 2019, to June 30, 2022]
- Chairperson, Department of Bio & Nano Technology, Guru Jambheshwar University of Science & Technology, Hisar. [September 6, 2017, to September 5, 2020]
- Nodal Officer, Association of Indian Universities, Guru Jambheshwar University of Science & Technology, Hisar [January 1, 2020, to continue]

Professional Experience:

- Professor [Oct 16, 2016, to Continue], Department of Bio & Nano Technology, Guru Jambheshwar University of Science & Technology, Hisar, India [Nature of Duty: Post Graduate Teaching and Research]
- Associate Professor [Oct 16, 2013, to Oct 15, 2016] Department of Bio & Nano Technology, Guru Jambheshwar University of Science & Technology, Hisar, India. [Nature of Duty: Post Graduate Teaching and Research]
- Visiting Scientist (August 31, 2010, to August 30, 2011), Department of Horticulture and Landscape Architecture, College of Agriculture, Purdue University, West Lafayette, USA [Nature of Duty: Research]
- Assistant Professor (Oct 16, 2001- Oct 15, 2013) Department of Bio & Nano Technology, Guru Jambheshwar University of Science & Technology, Hisar, India [Nature of Duty: Post Graduate Teaching and Research]
- Research Associate (March 13, 2000, to Oct 15, 2001) Central Institute for Research on Buffaloes, Hisar, India [Nature of Duty: Research]

, Honors and Awards:

- BOYSCAST Fellowship, Department of Science & Technology, Govt. of India [Aug 31, 2010, to August 30, 2011, Purdue University, West Lafayette, USA.
- Senior Research Fellowship, Council of Scientific & Industrial Research, Govt. of India [Jan 1, 1996, to Dec 31, 1998]
- Junior Research Fellowship, Council of Scientific & Industrial Research, Govt. of India [Jan 1, 1994, to Dec 31, 1995]
- Qualified Joint UGC-CSIR National Eligibility Test for Lecturer ship-1993
- Best paper awards in more than ten national and international conference

Academic visits abroad: USA, Spain, Egypt, Thailand, France

Area of Specialization: Medicinal Plant Biotechnology, Functional Genomics for Crop Improvement, Molecular Biology, Biochemistry, and Molecular Biology

No. of Student Guided:

Ph. D.: 16 Passed, 7 in Progress

Post-Doctoral Fellow: 3

M. Sc.: 205

M.Phil. : 4

M.Tech.: 3

Academic / Research Projects Completed/ Ongoing:

1. Development of nanoformulations of novel anticancer metabolites from ginger (From 25-11-2021 to 24-11-2024) Total cost 34.57 lacs, DST Govt. of India [As Project Mentor]
2. Biochemical and molecular approaches to understand nutritional and industrial quality of barley (From 01-11-2020 to 31-10-2025). Total Cost: 1.17 Crore. Multi-Institutional Project in Collaboration with ICAR- Indian Institute of Wheat and Barley, Karnal [As Centre Principal Investigator]
3. Development of low aliphatic glucosinolate mustard (*Brassica juncea*) using targeted editing of pathway gene (s) by CRISPR-Cas9 system (From 16-07-2017 to 31-12-2020). Total Cost 37.4 lacs, DBT, Govt. of India [As Project Mentor]
4. Studies on genetic diversity in aloe (*Aloe vera* L.) using molecular markers (From 10.05.2007 to 30.09.2010), UGC, New Delhi, Total cost: 5.45 lacs. [As Principal Investigator]
5. Identification and molecular characterization of gene encoding enzymes of anthraquinones biosynthesis pathway in *Aloe vera* (From 1.07.2012 to 31.12.2015), UGC, New Delhi, Total cost: 15.55 lacs. [As Principal Investigator]
6. Molecular characterization and genetic divergence in chickpea (*Cicer arietinum* L) using molecular markers (From 13.05.2008 to 30.09.2011), Haryana State Council for Science & Technology, Chandigarh, Total cost: 7.55 lacs. [As Principal Investigator]
7. Molecular characterization of major candidate genes associated with milk fat percentage in Indian buffalo (From 25.05.2009 to 31.03.2012), UGC, New Delhi, Total cost: 10.05 lacs. [As Co-Principal Investigator]
8. Molecular characterization of major candidate genes associated with milk quality in Egyptian and Indian buffaloes (From Nov 08, 2016, to Nov 07, 2019) India Egypt Joint Research Project. DST, Govt of India Total Cost 6.60Lacs. [As Principal Investigator]

Publications: (List attached as annexure I)

Books: 2

Book Chapters: 6

Research Papers in Peer Reviewed Journals: 112

Papers presented at Conferences (National and International): 94

Membership of Professional Organization:

1. Life Member, Society of Biological Chemists, India
2. Life Member, Association of Microbiologists of India
3. Life Member, Society for Sustainable Agriculture and Resource Management, India
4. Life Member, Society for Conservation of Domestic Animal Biodiversity, India
5. Life Member, International Aloe Science Council, Texas, USA

Participation in Committees on Education and National Development:

1. Chairman, Post Graduate Board of Studies & Research, Department of Bio & Nano Technology, GJUST, Hisar [September 6, 2017 to September 5, 2020]
2. Chairman, Departmental Research Committee, Department of Bio & Nano Technology, GJUST, Hisar [September 6, 2017 to September 5, 2020]
3. Member Secretary (Ex-officio), Institutional Biosafety Committee (IBSC), GJUS&T, Hisar [September 6, 2017 to September 5, 2020]
4. Chairman, Admission Committee for admission to M.Sc. (Biotechnology), M.Sc. (Microbiology) and M. Tech (Nano Science and Technology) [September 6, 2017 to September 5, 2020]
5. Chairman, Admission Committee for admission to Ph.D. (Biotechnology), PhD (Microbiology) and PhD (Nano Science and Technology) [September 6, 2017, to September 5, 2020]
6. Chairman, Standing Purchase Committee, GJUST, Hisar [August 2020, to August 2022]
7. Acted as External Subject Expert several times for the appointment of Assistant Professor / Associate Professor/ Professor
8. Outside Subject Expert, Advisory Committee to monitor the progress of DBT-supported Post Graduate Teaching Programme in Biotechnology in HP University, Shimla [August 8, 2018, to August 7, 2020]
9. External Subject Expert, Post Graduate Board of Studies & Research, Department of Biotechnology, HP University, Shimla [January 12, 2019 to January 11, 2021]
10. External Subject Expert, Under Graduate Board of Studies, Department of Biotechnology, M.D. University, Rohtak [July 17, 2019, to July 16, 2021]
11. External Subject Expert, Under Graduate Board of Studies, Department of Biotechnology, Kurukshetra University, Kurukshetra [October 5, 2020 to October 4, 2022]
12. Member, Departmental Research Committee, Department of Bio & Nano Technology, GJUST, Hisar [October 16, 2001 to September 5, 2017]
13. Member, Post Graduate Board of Studies & Research, Department of Bio & Nano Technology, GJUST, Hisar [October 16, 2001 to September 5, 2017]

Innovations/Contribution to Higher Education:

As the Chairman, Board of Studies and Research, designed and updated the course curriculum of the following academic programs as per the New Education Policy (2020):-

1. M.Sc. (Biotechnology)
2. M.Sc. (Microbiology)
3. Dual Degree B.Sc. (Hons) Biotechnology- M.Sc. (Biotechnology)
4. B.Sc. (Medical Group with Biotechnology)
5. B.Sc. General (Medical Group) Botany
6. M.Tech. (Nano Science and Technology)

MoUs Formulated for Academic Collaborations:

As the Dean, International Relations formulated and implemented MoUs with the following academic institutions/ industries:

1. University of Guelf, Guelf, Canada
2. Cairo University, Cairo, Egypt
3. Wolkite University, Ethiopia
4. Nanyang Polytechnic International, Singapore
5. University of Technology, Malaysia
6. Technical University of Cartagena, Spain
7. CSIR-Central Electronics Engineering Research, Institute, Pilani
8. ICAR-Central Institute for Cotton Research, Nagpur
9. Haryana Space Application Centre (HARSAC), Hisar
10. VEWA-Handelsgesellschaft mBH Eislinggen, Germany
11. Chaudhary Devi Lal University, Sirsa
12. ICAR-National Research Centre on Equine, Hisar
13. Jindal Stainless Limited, Hisar, and several other industries

Conference/Workshop/Training Organized:

- One Week Science Popularization Program on “Vigyan Sarvatra Pujyate: Festival of SCoPE for All” (SCoPE: Science Communication, Popularization, and its Extension) from February 22-28, 2022 Supported by Office of the Principal Scientific Advisor to Ministry of Culture, Govt of India.
- One-week webinar series on “Diverse Areas of Biotechnology” from August 25- 31, 2020, sponsored by the Department of Biotechnology Govt. of India, New Delhi.
- Two-Weeks GIAN workshop on “Genome Manipulations, Editing and Interference by VIGS, CRISPR and RNAi” from March 5-14, 2019, under GIAN-MHRD, Government of India. [In Collaboration with Foreign Faculty: Marcos Egea Gutiérrez-Cortines, Director Institute of Plant Biotechnology, Technical University of Cartagena, Spain]
- Two days’ Workshop in Bioinformatics on “National Workshop on Computational System Biology and Bioinformatics” during February 25-26, 2019, under the BIF program sponsored by the Department of Biotechnology Govt. of India New Delhi.
- An International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” from Feb 21-23, 2018, GJUS&T, Hisar

- Two days workshop on “Statistical Application in Research Data Analysis” on 24th-25th February 2017, under the aegis of the TEQIP-II program of the University, using BIF Facilities supported by the Department of Biotechnology Govt. of India New Delhi.
- Three days of Hands-on training in Bioinformatics on “Drug Discovery Technology: A Molecular Modeling Approach” on 28- 30 March, 2016, under the BIF program sponsored by the Department of Biotechnology Govt. of India New Delhi.
- A National workshop on “Role of Statistics in Biological Research” from March 24-28, 2015, Department of Bio and Nano Technology, GJUS&T, Hisar.
- Two Days of Hands-on Training on “Bioinformatics Tools for Genomics Problem Solving” from 19th to 20th March 2015, Department of Bio and Nano Technology, GJUS&T, Hisar
- Interactive Programme-cum-Workshop on Research Methodology, for Ph.D. Scholar in Science & Engineering, February 22-28, 2014 at Academic Staff College, GJUS&T, Hisar
- Two Days Hands on Training on “Bioinformatics Tools & Techniques for Gene and Protein Analysis” from 6th to 7th March, 2014, G.J.U.S&T, Hisar
- One Day National Workshop on “Emerging Trends in Nano Science and Biotechnology ” on August 19, 2014, G.J.U.S&T, Hisar
- Hands-on Training on “Basics of Bioinformatics for Biology Teachers” March 28-29,2008, G.J.U.S&T, Hisar
- Training on “Application of Bioinformatics in Environment and Biodiversity”, Oct 3-7,2008, G.J.U.S&T, Hisar

Dated: 27-02-2024

[VINOD CHHOKAR]

Selected Publications: List attached as Annexure I

Annexure I

A) Books and Proceedings

1. **Vinod Chhokar**, Namita Singh, Anil Kumar, et al (2018) Proceedings of the International Conference on Bio and Nano-Technologies for Sustainable Agriculture, Food, Health, Energy and Industry. Research Report 2: Published online: 2:e1-e244. doi:10.9777/rr.2018.1001-10322
2. Anil Kumar and **Vinod Chhokar** (2010). Basic Concepts of Immunology. Arihant Publishers, New Delhi. **B)**

Book Chapters Published:

1. Sudhanshu Dwivedi, Chanchal Malik and **Vinod Chhokar** (2017). Molecular Structure, Biological Functions and Metabolic Regulation of Flavonoid. In Plant Biotechnology for Crop Improvement (*Eds* Gahlawat SK, Duhan JS and Salar RK (Eds) Springer Nature Singapore pp.171-188
2. Prachi Chaudhary, **Vinod Chhokar**, Anil Kumar, and Vikas Beniwal (2017) Bioremediation of tannery wastewater. In Advances in Environmental Biotechnology (Editors: Raman Kumar, Anil Kumar Sharma, Sarabjeet Singh Ahluwalia), Springer Nature Singapore. pp. 125-144
3. Pradeep Dhanwal, Anil Kumar, Shruti Dudeja, **Vinod Chhokar**, and Vikas Beniwal (2017) Recent advances in Phytoremediation Technology. In Advances in Environmental Biotechnology (Editors: Raman Kumar, Anil Kumar Sharma, Sarabjeet Singh Ahluwalia) , Springer Nature Singapore pp. 227-241
4. Vikas Beniwal, Rakesh Kumar, Anju Kumari and **Vinod Chhokar**. (2014) Microbial Production of Tannase. In: *Microbes in the Service of Mankind: Tiny Bugs with Huge Impact*. (Ravinder Nagpal, Ashwani Kumar and Randhir Singh eds).pp463-488 I.K International Publisher, New Delhi.
5. Himanshu Aggarwal, Jasbir Singh, **Vinod Chhokar**, Vinod Kumar (2013) Molecular Markers: Promising Tools for Crop Improvement. *In: Agricultural Science Spectrum- The Cutting-Edge Technology*. pp 43-52. Agrobios (International) Publisher, ISBN (10): 81-904309-7-1
6. V. Chhimpa, S. Suthar, R.K. Bishnoi, I Saharan, V Beniwal, V **Chhokar** and Pareek B.(2008). Coliforms bacterial contamination of drinking water in some rural areas of Northern Rajasthan. In: Information Technology & Environmental Management. (J. Singh ed.).pp 215-221 MD Publication Pvt Ltd, New Delhi

C) Selected Peer Reviewed Research Publication

1. Jangra, A., Chaturvedi, S., Sihag, S. Sharma, G., Tiwari S., and **Chhokar, V.** (2023). Identification and functional characterization of a novel aldo-keto reductase from *Aloe vera*. *Planta*. 258(6): 107. [IF: 4.80. NAAS Rating: 10.54]
2. Kaur, N., Kumar, R., Alhan, S., Sharma, H., Singh, N., Yogi, R., **Chhokar, V.**, Beniwal, V., Ghosh, M.K., Chandraker, S.K., Rustagi, S., Kumar, A. (2023). Lycium shawii mediated green synthesis of silver nanoparticles, characterization and assessments of their phytochemical, antioxidant, antimicrobial properties. *Inorganic Chemistry Communications*. 159. [IF: 3.8. NAAS Rating: 9.8] <https://doi.org/10.1016/j.inoche.2023.111735>.
3. Sihag, S. Kumar, A., Jangra, A., Sharma, G., Naik, P.K., Rushdi, H.E., Rawat, K.D., **Chhokar, V.** (2023). Investigation of Polymorphic Variations in the Alpha-Lactalbumin gene and their association analysis to milk characteristics in River Buffalo. *Current Journal Applied Science and Technology*. 42(44): 38-47. [IF: 0.94. NAAS Rating: 4.71]
4. Sihag, S. Rushdi, H.E, Kumar, A. Jangra, A., Hassanane, M.S. Hamdy, A.S. and **Chhokar, V.** (2023). Polymorphic variants analysis in Peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PPARGC1A) Gene of Indian and Egyptian buffaloes. *Indian Journal of Animal Research*. 57 (11): 1474-1479. [IF: 0.50. NAAS Rating: 6.50]
5. Jangra, A., Chaturvedi, S., Sharma, G., Sihag, S., Tiwari S., and **Chhokar, V.** (2023). Efficient *Agrobacterium tumefaciens*-mediated genetic transformation of *Aloe vera*. *Plant Cell, Tissue, and Organ Culture*. 154,189-200 [IF: 2.72. NAAS Rating: 8.71]
6. Malik C, Dwivedi S, Rabuma T, Kumar R, Singh N, Kumar A, Yogi R, **Chhokar V.** (2023). *De novo* sequencing, assembly, and characterization of *Asparagus racemosus* transcriptome and analysis of expression profile of genes involved in the flavonoid biosynthesis pathway. *Frontier in Genetics*. Published Online First. Retrieved from <http://dx.doi.org/10.30919/es8e514>. [IF: 4.77. NAAS Rating: 10.60]
7. Malik C, Kumar R, Kumar A, **Chhokar V.** (2023). Estimation of quercetin in different tissues and genotypes of *Asparagus racemosus* using RP-HPLC-DAD Estimation of quercetin in different tissues and genotypes of *Asparagus racemosus* using RP-HPLC-DAD. *EuropeanChemicalBulletin* 12(8):1910-1919 <http://dx.doi.org/10.48047/ecb/2023.12.8.155>
8. Soni, S., **Chhokar, V.**, Beniwal, V., Kumar, R., Badgujjar, H., Chauhan, R., and Kumar, A. (2023). Cost-effective media optimization for PHB production by

- Bacillus badius MTCC 13004 using the statistical approach. International Journal of Biological Macromolecules, 123575-123575. [IF: 8.02. NAAS Rating: 11.16]
9. Rabuma, T., Gupta, O.P., and **Chhokar V.** (2023). Genome-wide comprehensive analysis of miRNAs and their target genes expressed in resistant and susceptible *Capsicum annum* genotypes during *Phytophthora capsici* infection. Molecular Genetics and Genomics. 298, 273-292, DOI: 10.1080/15476286.2022.2062172. [IF: 3.21. NAAS Rating: 8.88]
 10. Rabuma, T., Gupta, O.P., and **Chhokar V.** (2022). Recent advances and potential applications of cross-kingdom movement of miRNAs in modulating plant's disease response. RNA Biology. 19:1, 519-532, DOI: 10.1080/15476286.2022.2062172. [IF: 5.35. NAAS Rating: 11.35]
 11. Rani, M., Jaglan, S., Beniwal V., and **Chhokar V.** (2022). Bioactive saponin profiling of endophytic fungi from *Asparagus racemosus*. Natural Products Research. Retrieved from <https://doi.org/10.1080/14786419.2022.2156997> [IF: 2.48. NAAS Rating: 8.48]
 12. Jangra A., Chaturvedi, S., Kumar K, Singh H, Sharma V., Thakur,M. Tiwari,S., and **Chhokar V.** (2022). Polyamines: The gleam of next-generation plant growth regulators for growth, development, stress mitigation, and hormonal crosstalk in plants—A Systematic Review. J Plant Growth Regulation <https://doi.org/10.1007/s00344-022-10846-4> [IF: 4.17. NAAS Rating: 8.18]
 13. Jangra, A., Sharma, G., Sihag, S. & **Chhokar V.** (2022). The dark side of miracle plant *Aloe vera*: a review. Molecular Biology Reports. 49(6), 5029-5040. Retrieved from <https://doi.org/10.1007/s11033-022-07176-9> [IF:2.31. NAAS Rating: 7.4]
 14. Rabuma, T., Gupta, O.P., Yadav M. & **Chhokar V.** (2022). Integrative RNA-Seq analysis of *Capsicum annum* L.-*Phytophthora capsici* L. pathosystem reveals molecular cross-talk and activation of host defence response. Physiology and Molecular Biology of Plants. 28: 171-188. [IF:2.41. NAAS Rating: 8.39]
 15. Dudeja S., **Chhokar V.**, Beniwal V., and Kumar A. (2022). Antimicrobial Activity of Fungi Isolated from Manikaran Hot Spring. Annals of Agri-Bio Research. 27(1): 12-16 [NAAS Rating:3.81]
 16. Soni, S., **Chhokar, V.**, Beniwal, V., Jangra, R.M. and Kumar, A. (2022). Statistical optimization of medium components and growth conditions to enhance Polyhydroxybutyrate yield by *Bacillus endophyticus* MTCC 13038. Research Journal of Biotechnology. 17(6): 165–173.
 17. Kumar R, Salar RK, Naik P.K. Yadav M, **Chhokar V.** et al (2022). Population genetic diversity and structure analysis of sixty genotypes of *Aloe vera* using AFLP

- markers. South African Journal of Botany. 147:1146-1155. [IF:1.50 NAAS Rating: 7.79]
18. Rabuma, T., Gupta, O.P., Kumar, A., and **Chhokar V.** (2021). RT-qPCR based quantitative analysis of gene expression in *C.annuum* L. in response of *P.capsici* infection. *Polymorphism*,7. Retrieve from: <http://www.peerpublishers.com/index.php/snp/article/view/78>
 19. Goyal S, Beniwal V, Kumar R, Kumar R, and **Chhokar V.**, Umar A (2021). Molecular Typing of Multidrug Resistant Uropathogenic Escherichia coli by Restriction Fragment Length Polymorphism. *Engineered Science*. 204-216. Retrieved from <http://dx.doi.org/10.30919/es8e514>
 20. Rani M, Choudhry P, Kumar A and **Chhokar V.** (2021). Evaluation of saponins in *Aloe vera* by high-performance liquid chromatography and fourier transform infrared spectroscopy. *The Pharma Innovation Journal*. 10(9): 1925-33. [RJIF:5.98 NAAS Rating: 5.23]
 21. Kumar A, Luhach N, Chauhan R, Badgujar H, Soni S, **Chhokar V.** (2021). Synthesis and characterization of silver nanoparticles using citrus fruit juice for evaluation of anticancer activity against Colo-205 Cell Lines. *Journal of Nanoscience and Nanotechnology*. 21 (6): 3580-3587. [IF:1.35 NAAS Rating: 7.13]
 22. Dudeja S, **Chhokar V.**, Beniwal V, Badgujar H, Chauhan R, Soni S, Kumar A (2021). Optimization and Production of antimicrobial compounds by *Aspergillus flavus* MTCC 13062 and its Synergistic studies. *Biocatalysis and Agricultural Biotechnology*. Retrieved from <https://doi.org/10.1016/j.bcab.2021.102065>. [Cite Score: 3.90 NAAS Rating: NA]
 23. Bishnoi SK, He X, Phuke RM, Kashyap PL, Alakonya A, **Chhokar V.**, Singh RP and Singh, PK (2020). Karnal bunt: A re-emerging old foe of wheat. *Frontiers in Plant Science* 11: 569057. doi: 10.3389/fpls [IF:4.40 NAAS Rating: 10.41]
 24. Kumar D, Kumar A, **Chhokar V.**, Gangwar O.P et al (2020). Genome-wide association studies in diverse spring wheat panel for Stripe, Stem and Leaf rust resistance. *Frontiers in Plant Science*. 11: 748-775 [IF:4.40 NAAS Rating: 10.41]
 25. Rabuma T, Gupta O.P. **Chhokar V.** (2020). Phenotypic characterization of chili pepper (*Capsicum annuum* L.) under *Phytophthora capsici* infection and analysis of genetic diversity among identified resistance accessions using SSR markers. *Physiological and Molecular Plant Pathology* 112: Published Online First <https://doi.org/10.1016/j.pmpp.2020.101539> [IF:2.75 NAAS Rating: 7.65]
 26. Chaudhary P, Beniwal V, Umar A, Kumar R, Sharma P, Kumar A, Al-Hadeethi Y, **Chhokar V.** (2021). In vitro microcosm of co-cultured bacteria for the removal of hexavalent Cr and tannic acid: A mechanistic approach to study the impact of

- operational parameters. Ecotoxicology and Environmental Safety. 208: Published Online First. <https://doi.org/10.1016/j.ecoenv.2020.111484> [IF:6.29 NAAS Rating: 10.87]
27. Dudeja S, **Chhokar V.**, Badgujjar H. Chauhan R, Soni S, Beniwal V and Kumar A (2020). Isolation and screening of antibiotic producing fungi from solid-state waste. Polymorphism. 4. 59-71
 28. Kumar D, **Chhokar V.**, Sheoran S, Singh R, Jaiswal S, Iquebal MA, Jaisri J, Angadi, Tiwari R (2019). Characterization of genetic diversity and population structure in wheat using array-based SNP markers. Molecular Biology Reports. 47 (1): 293–306. [IF:2.32 NAAS Rating: 7.40]
 29. Chaudhary P, Beniwal V, Kaur R, Mehra R, Kumar A, **Chhokar V.** (2019). Efficacy of *Aspergillus fumigatus* MTCC 1175 for bioremediation of tannery wastewater. Clean–Soil, Air, Water. Published on line First: 190013 [IF:1.60 NAAS Rating:7.60]
 30. Choudhri P, Rani M, Sangwan RS, Kumar R, Kumar A and **Chhokar V.** (2018). De novo sequencing, assembly and characterization of *Aloe vera* transcriptome along with analysis of expression profiles of novel genes related to saponin and anthraquinone metabolism. BMC Genomics 19 (1): 427. [IF:3.97 NAAS Rating:9.59]
 31. Varughese LR, Rajpoot M, Goyal S, Mehra R, **Chhokar V.**, and Beniwal V (2018). Analytical profiling of mutations in quinolone resistance determining region of *gyrA* gene among UPEC. Plos One 13 (1). Published online First: <https://doi.org/10.1371/journal.pone.0190729> [IF:3.24 NAAS Rating:8.74]
 32. Jangra S, Sharma B, Jangra R, **Chhokar V.** and Duhan S (2018). Saponin-loaded SBA-15: release properties and cytotoxicity to Panc-I cancer cells. Journal of Porous Materials. 25(4): 945-53. [IF:2.26 NAAS Rating:8.25]
 33. Kumar R., Salar R.K., Kumar A. and **Chhokar V.** (2018). A low cost, high throughput gel electrophoresis method for separation of SSR markers in *Aloe vera*. The Pharma Innovation Journal. 7(3): 622-627. [RJIF:5.98 NAAS Rating: 5.23]
 34. Chaudhary P, **Chhokar V.**, Choudhary P, Beniwal V (2017). Optimization of chromium and tannic acid bioremediation by *Aspergillus niveus* using Plackett–Burman design and response surface methodology. AMB Express 7(1): 201 -12. [IF:3.42 NAAS Rating:8.50]
 35. Monga S, Dhanwal P, Kumar R, Kumar A and **Chhokar V.** (2017). Pharmacological and physico-chemical properties of Tulsi (*Ocimum gratissimum* L.): An updated review. The Pharma Innovation Journal 6(4): 181-186. [RJIF:5.98 NAAS Rating: 5.23]

36. Jangra S, **Chhokar V.**, Singh D and Duhan S (2017). A Broad Spectrum Formulation Platform for Sustained Release of Silica-Based Ordered Mesoporous SBA-15 Ketoconazole Composite. *Journal of Chemical and Pharmaceutical Research* 9(3) : 12-15
37. Dhanwal P, Kumar A, Dudeja S, Badgujar H., Chauhan R, Kumar A, Dhull P, Beniwal V, **Chhokar V.** (2017). Biosorption of heavy metals from aqueous solution by bacteria isolated from contaminated soil. *Water Environment Research* 90(5):424-430. [IF:1.95 NAAS Rating:7.15]
38. Jangra, S., Goyat MS, **Chhokar V.**, Bisla S, Manuja A and Duhan S (2017). Influence of functionalized mesoporous silica in controlling azathioprine drug release and cytotoxicity properties. *Materials Research Innovations*. 4(1): 1-13. [IF:1.17 NAAS Rating:7.17]
39. Aggarwal H, Singh J, Beniwal V, Kumar A, **Chhokar V.** (2017). Quantification of Genomic DNA of 125 Chickpea (*Cicer Arietinum* L.) Genotypes. *MOJ Biol Med* 1(5): 00031. DOI: 10.15406/mojbm.2017.01.00031
40. Dhanwal P, Dudeja S, Kumar A Badgujar H., Chauhan R, Rana S, **Chhokar V.** (2017). Qualitative phytochemical analysis of leaves, stem and root extracts of selected medicinal plants. *Annals of Biology*. 33 (2):186-90. [NAAS Rating:3.95]
41. Dudeja S, Dhanwal P, Kumar A Badgujar H., Chauhan R , Sweeta , Gaur Y D and **Chhokar V.** (2017). Optimization of methyl parathion biodegradation through response surface methodology by fungi isolated from contaminated soil and water. *Annals of Agri Bio Research* 22(2):144-149. [NAAS Rating:3.81]
42. Dhanwal P, Dudeja S, Kumar A Badgujar H., Chauhan R, Sweeta, Singh M. and **Chhokar V.** (2017). Isolation and screening of endophytic bacteria isolated from various fruits for plant growth factors. *Annals of Agri Bio Research* 22(2):139-143. [NAAS Rating:3.81]
43. Kumar A, Dhanwal P, Ghawri S.P., Dudeja S, Badgujar H., Chauhan R, Sweeta, **Chhokar V.** (2017). Isolation, screening and estimation of enzyme activity oïxylanase producing bacteria. *Annals of Biology*. 33 (2):199-203. [NAAS Rating:3.95]
44. Kumar R, Naik PK, Kumar A, Aggarwal H, Kumar A, and **Chhokar V.** (2016). A combined approach using RAPD, ISSR and bioactive compound for the assessment of genetic diversity in *Aloe vera* (L) Burm. f. *Indian J Biotechnology*. 15: 538-549. [IF:0.41 NAAS Rating:6.41]
45. Pooja, Kumar A, Dudeja S, Chauhan R, Sunena , Hemlata, Beniwal V, **Chhokar V.**, Kumar A (2016). Antimicrobial activity of ethno-medicinal plants against

- cariogenic pathogens. *Journal of Medicinal Plant Studies*. 4(3) 283-290. [RJIF:5.69 NAAS Rating: NA]
46. Kumar A, **Chhokar V.**, Kumar R, Aggarwal H, Beniwal V (2016). Molecular Characterization of Acyl CoA: Diacylglycerol O-acyltransferase 1 (DGAT1) in Sheep and its Comparison with Other Ruminants. *American Journal of Biochemistry and Molecular Biology*. 6(2): 67-71
47. Kumar A, Dhanwal P, Dudeja S, Chauhan R, Hemlata, Manju, Beniwal V, **Chhokar V.**, and Kumar A. (2016). Isolation, screening and estimation of enzyme activity of cellulase producing fungi. *Annals of Agri-Bio-Research*. 21(2).115-119 [NAAS Rating:3.81]
48. Rani S, Kumar M, Naik PK, Phulia SK, and **Chhokar V.** (2016). ESR α exon polymorphism coupled with protein modelling in relation to reproductive traits in murrh buffaloes. *International Journal of Pharma and Biosciences*, 7(4): 856 – 868. [RJIF:7.45 NAAS Rating: NA]
49. Kumar M, Naik P K, Patlan S and **Chhokar V.** (2016). Assessment of genetic variation among *Asparagus racemosus* genotypes using molecular and biochemical markers. *Journal of Medicinal Plant Studies*. 4(6). 117-123. [RJIF:5.69 NAAS Rating: NA]
50. Jangra, S., Girotra, P., **Chhokar V.**, Tomer VK, Sharma AK, Duhan S (2016). Invitro drug release kinetics studies of mesoporous SBA-15-azathioprine composite. *Journal of Porous Materials*. 23: 679-688. [IF: 2.257 NAAS Rating: 8.257]
51. Jangra S, Devi S Tomer VK, **Chhokar V.**, Duhan S (2016). Improved antimicrobial property and controlled drug release kinetics of silver sulfadiazine-loaded ordered mesoporous silica. *Journal of Asian Ceramic Societies*. 4(3): 282-288 Published online First doi: 10.1016/j.jascer.2016.05.005. [RJIF: 0.51 NAAS Rating: NA]
52. Jangra, S., **Chhokar V.**, Tomer VK, Sharma AK, Duhan S (2016). Influence of functionalization type on controlled release of emodin from mesoporous silica. *Journal of Porous Materials*. 24: 1047-1057. Published online First DOI 10.1007/s10934-016-0162-7. [IF: 2.257 NAAS Rating: 8.257]
53. Kumar M, Naik P K, Sarla and **Chhokar V.** (2016). Genetic variations in *Asparagus racemosus*, an endangered medicinal herb endemic to India using RAPD markers. *British Biotechnology Journal*. 10(2) :1-11[NAAS Rating: 4.65]
54. Jangra S, Tomer VK, Sharma AK, **Chhokar V.**, Rahul, Duhan S (2015). Inclusion of ampicillin trihydrate in highly ordered Mesoporous silica nanoparticles. *American Journal of Biological and Pharmaceutical Research* 2 (4), 153-156
55. Aggarwal H, Rao A., Kumar A, Singh J, Rana J.S., Naik P.K. **Chhokar V.** (2015). Evaluation of genetic divergence and phylogenetic relationship using sequence

- tagged microsatellite (STMS) sequences in chickpea (*Cicer arietinum* L.) genotypes. African Journal of Biotechnology 14 (45), 3051-3061
56. Kumar S., Beniwal V., Kumar N., Kumar A., **Chhokar V.**, TP Khaket (2015). Biochemical characterization of immobilized tannase from *Aspergillus awamori*. Biocatalysis and Agricultural Biotechnology 4 (3), 398-403. [Cite Score: 3.90 NAAS Rating: NA]
 57. Beniwal V., Nehra K.S. and **Chhokar V.** (2015). Cadmium induced alteration in lipid profile of developing mustard (*Brassica juncea* L.) seed. Biocatalysis and Agricultural Biotechnology. 4 (3): 416-422. [Cite Score: 3.90 NAAS Rating: NA]
 58. Aggarwal H, Ghosh J, Rao A and **Chhokar V.** (2015). Evaluation of root and leaf extracts of *Glycyrrhiza glabra* for antimicrobial activity. Journal of Medical and Bioengineering .4(1):81-85
 59. Beniwal V and **Chhokar V.** (2014). Lipid content and fatty acid change in the developing silique wall of mustard (*Brassica juncea* L.). Biocatalysis and Agricultural Biotechnology. 4(1): 122-125. [Cite Score: 3.90 NAAS Rating: NA]
 60. Kumar M, **Chhokar V.**, Kumar A, Sarla, Beniwal V and Aggarwal H (2015). A comparative study of genetic diversity in chickpea based upon touchdown and nontouchdown PCR using ISSR Markers. Chiang Mai J. Sci.; 42(1): 118-126. [IF: 0.52 NAAS Rating: 6.52]
 61. Sarla, Kumar M, Phulia S K and **Chhokar V.** (2015). Genetic polymorphism in exon 13 of estrogen receptor- α (*ER α*) gene in murreh buffalo (*Bubalus bubalis*). Annals of Biology. 31 (1):41-45. [NAAS Rating:3.95]
 62. Sarla, Kumar M, Phulia S K and **Chhokar V.** (2015). Genetic polymorphism in PRA of progesterone receptor (PGR) gene in murreh buffalo (*Bubalus bubalis*). Annals of Agri Bioresearch. 20(1): 7-10. [NAAS Rating:3.81]
 63. Aggarwal H, Rao A, Kumar A, Singh J, Rana J S, Naik P K, **Chhokar V.** (2015). Assessment of genetic diversity among 125 cultivars of chickpea (*Cicer arietinum* L.) of Indian origin using ISSR markers. Turkish Journal of Botany. 39: 218-226. [IF: 1.49 NAAS Rating: 7.11]
 64. Aggarwal H, Prakash G, Rao A and **Chhokar V.** (2013). Evaluation of root extracts of *Asparagus racemosus* for antibacterial activity. American Journal of Drug Discovery and Development. 3(2):113-119.
 65. Beniwal, V, Kumar A, Sharma J, **Chhokar V.** (2013). Recent advances in industrial applications of tannases- A Review. Recent Patents on Biotechnology. 7: 228-233. [IF: 1.09 NAAS Rating: 7.09]

66. Beniwal, V, Kumar A, Goel G, **Chhokar V.** (2013). A novel low molecular weight acidothermophilic tannase from *Enterobacter cloacae* MTCC 9125. *Biocatalysis and Agricultural Biotechnology*.2(2): 132 – 137. [Cite Score: 3.90 NAAS Rating: NA]
67. Aggarwal, H., Singh, J., Khaket, T.P. and **Chhokar, V.** (2013). Genetic Diversity in chickpea using various Molecular Markers: First step towards Molecular Breeding. *International Journal of Advanced Research*. 1 (4): 393-398 [SJIF: 7.33]
68. Beniwal, V., Yogi, R., Goel, G., A., Kumar, A., and **Chhokar V.** (2013). Production of tannase through solid state fermentation using Indian Rosewood (*Dalbergia sissoo*) sawdust: a timber industry waste. *Annals of Microbiology*. 63(2):583-590. [IF: 1.53 NAAS Rating: 7.52]
69. Kumar A, Beniwal V, Samuchiwal S K, Kala S N, Raut A A, **Chhokar V.**, Mishra A (2012). Expression of pluripotency determining stem cell marker in Sox-2 in umbilical cord blood of buffalo. *Journal of Animal Science Advance*. 2(10):841846. [IF: 0.87 NAAS Rating: 6.87]
70. Kumar A, Kumar R, Beniwal V, Kala S.N., Mishra A, Raut A.A., Naik P.K., and **Chhokar V.** (2012). Molecular differentiation of Glycerol-3-phosphate acyltransferase (Mitochondrial) among different breeds of *Bubalus bubalis*. *International Journal of Pharma and Biosciences*. 3(4): 685 – 694. [SJIF: 7.45 }
71. Kumar A, Kumar R, Beniwal V, Kala S.N., Mishra A, Raut A.A., Naik P.K., and **Chhokar, V.** (2012). Molecular differentiation of peroxisome proliferator activated receptor coactivator-1 among different breeds of *Bubalus bubalis*. *Bioinformation*. 8(13): 600-606. [SJIF: 5.75 NAAS Rating: NA]
72. Raut A A, Kumar A, Kala S N, **Chhokar V.**, Rana N, Beniwal V, Jaglan S, Samuchiwal S K, Singh J K and Mishra A (2012). Identification of novel SNPs in DGAT1 gene of buffalo by PCR-SSCP. *Genetics and Molecular Biology*. 35(3):610-613. [IF: 1.72 NAAS Rating: 7.88]
73. Aggarwal, H., Rao, A., Rana, J.S., Singh, J., Kumar, A., and **Chhokar V.**, Beniwal V. (2011). Inter Simple Sequence Repeats reveals significant genetic diversity in chickpea (*Cicer arietinum* L.). *Journal Plant Sciences* 6(5); 202-212.
74. Kumar M., Sarla, Yadav, O.P. and **Chhokar V.** (2011). Estimation of saponin in Asparagus (*Asparagus racemosus*) roots by colorimetric method. *Annals of Biology* 27(2):115-120 [NAAS Rating:3.95]
75. Panghal, A., Navndhi, **Chhokar V.**, and Khatkar, B.S. (2011). Effects of minor ingredients on quality of cookies. *Annals of Agri Bio research* 16(1):79-84. [NAAS Rating:3.81]

76. **Chhokar V.**, Sangwan, M., Beniwal, V., Nehra K.,Nehra K.S., (2010). Effect of additives on the activities of tannase from *Aspergillus awamori* MTCC 9299. Applied Biochemistry and Biotechnology.160:2256-2264. [IF: 2.27 NAAS Rating: 8.28]
77. **Chhokar V.**, Seema, Beniwal V, Salar R K, Nehra K S, Kumar A and Rana J S (2010). Purification and characterization of extracellular tannin acyl hydrolase from *Aspergillus heteromorphus* MTCC 8818. Biotechnology and Bioprocess Engineering. 15 (5) :793-799. [IF: 1.72 NAAS Rating: 7.88]
78. Beniwal V, **Chhokar V.**, Singh N, Sharma J. (2010). Optimization of process parameters for the production of tannase and gallic acid by *Enterobacter cloacae* MTCC 9125. Journal of American Sciences. 6(8): 389-397.
79. Rana J.S, Jindal J, Beniwal V, **Chhokar V.** (2010). Utility Biosensors for applications in Agriculture – A Review. Journal of American Sciences. 6(9): 353375.
80. Beniwal V and **Chhokar V.** (2010). Statistical Optimization of culture conditions for tannase production by *Aspergillus awamori* MTCC 9299 under submerged fermentation. Asian Journal of Biotechnology. 2(1): 46-52.
81. Kumar M, Sarla, Yadav O.P. and **Chhokar V.** (2010). A rapid and efficient protocol for the extraction of high molecular weight DNA from *Asparagus racemosus*. Annals of AgriBioresearch.15(2):127-131. [NAAS Rating:3.81]
82. Beniwal V, **Chhokar V.**, Lohchab R K and Sharma J. (2010). Effect of organic solvents on the activity of tannase from *Enterobacter cloacae* MTCC9125. Annals of Biology. 26(2):95100. [NAAS Rating:3.95]
83. Kumar Y., Kumar, S., Saharan M.S., **Chhokar V.**, Shoran J, Tiwari R and Mishra B (2010). DNA marker assisted incorporation of Lr35 gene in wheat. Plant Cell Biotechnology and Molecule Biology 12(1-4):71-76. [IF: 0.13 NAAS Rating: 4.88]
84. **Chhokar V.**, Sood D.R. Wani M.A. Bajaj B.K. (2009). Effect of garlic extarct on human intestinal microflora. International Journal of Plant Sciences. 42(2): 357-66
85. Sarla, Phulia S.K., and **Chhokar V.** (2009). Estrogen receptor genes-A candidate marker in animal reproduction. Indian Buffalo Journal. 7(2): 102-105
86. Sharma R., **Chhokar V.**, Jha S., and Rana, J.S. (2008). Proteomics: Current Approaches and Future Perspectives. J. Applied Bioscience. **34** (1):1-17. [IF:2.88 NAAS Rating: 8.80]
87. Kumar Y., Tiwari R., **Chhokar V.** and Shoran J, (2008). Pyramiding rust resistance genes in wheat. Annals of Biology .**24**:173-177. [NAAS Rating:3.95]
88. **Chhokar V.**, Katiyar S, Beniwal V, Kumar A. and Rana J.S. (2008). Immobilization of tannase for commercial use in food industries. Asian Journal of Bioscience **3** (2):

89. **Chhokar V**, Beniwal V, Kumar A. and Rana J.S. (2008). Lipid content and fatty acids composition of mustard (*Brassica juncea* L.) during seed development. The Asian Journal of Experimental Chemistry, **3** :6-9. [NAAS Rating:2.30]
90. **Chhokar, V.**, Sood, D.R., Rao A and Rana J.S. (2008). Carbohydrate composition and electrophoretic pattern of garlic (*Allium sativum* L.) proteins. The Asian Journal of Experimental Chemistry, **3**:23-27. [NAAS Rating:2.30]
91. **Chhokar V.**, Sood, D. R. Siwach, P. and Rani, M. (2006). Fatty acid composition of some promising genotypes of garlic (*Allium sativum* L.). Annals of Biology **22** (1): 23-26. [NAAS Rating:3.95]
92. Singh, R., Singh, K. S., Rani, M., **Chhokar, V.**, Lal, D. and Yadav, O. P. (2006). Proximate analysis of some selected genotypes of aloe (*Aloe vera* L.) genotypes. Annals of Agri-Bio Research: **11** (2): 129-132. [NAAS Rating:3.81]
93. **Chhokar V.**, Saxena N., Saini A., Chauhan T.R. (2004). Determination of various blood parameters in buffalo calves fed on cattle waste silage. Indian Buffalo Journal. **2**(2): 115-116.
94. Sood, D. R. and **Chhokar, V.** (2003). Studies on changes in peroxidase, acid phosphatase, phenol, degree of coloration and structural carbohydrate of five cultivars of garlic (*Allium sativum* L.) bulbs during development. Journal of Food Science and Technology **40**: 149-152. [IF: 2.70 NAAS Rating:8.70]
95. Sood, D. R., **Chhokar, V.** and Shilpa. (2003). Effect of garlic extract on degree of hydration fructose sulphur and phosphorus content of rat eye lens and intestinal absorption of nutrient. Indian Journal of Clinical Biochemistry **80**: 192-196. [IF: 1.39 NAAS Rating: 7.39]
96. Sood, D. R., **Chhokar, V.** and Chauhan T. R. (2002). Analysis of garlic cloves for some of its mineral contents. Asian Journal of Dairy and Food Research **21** (1): 323-325. [NAAS Rating: 5.75]
97. Sood D.R., **Chhokar V.** and Singh J. (2000). Studies on growth, pungency and flavor characteristics of five varieties of garlic (*Allium sativum* L.) bulbs during development. Vegetable Science: **27**: 180-184. [NAAS Rating:4.98]
98. Kalra A, Sood D.R. and **Chhokar V.** (1998). Studies on the contents of protein and nonstructural carbohydrates in eight onion (*Allium cepa* L.) bulbs genotypes during bulb development. Annals of Agri-Bio Research. **14**: 42-49. [NAAS Rating:3.81]
99. Singh N, **Chhokar V**, Sharma K.D., Kuhad M.S. (1997). Effect of potassium on water relations, CO₂ exchange and plant growth under quantified water stress in chickpea. Indian Journal of Plant Physiology **2**: 202-206. [IF: 0.29 NAAS Rating:6.29].

Papers Presented and Published in National and International Conferences:

1. Mehrotra S., and **Chhokar V.** (2024). Ginger Extract-Mediated Green Synthesis of Silver Nanoparticles: Unveiling the Characterization and Antibacterial Potency. In: Proceedings of International Conference on Global Challenges in Food, Environment, and Biotechnology for Sustainable Development, February 21-23, 2024, GJUS&T, Hisar.
2. Rani M., Kumar R and **Chhokar V.** (2024). Quantitative analysis of gene expression related to saponin production using Real-Time PCR. In: Proceedings of International Conference on Global Challenges in Food, Environment, and Biotechnology for Sustainable Development, February 21-23, 2024, GJUS&T, Hisar.
3. Malik C., Yadav S., Kumar R., Kumar A., **Chhokar V.** (2024). Genetic Polymorphism of Squalene Epoxidase Gene in *Asparagus racemosus* Genotypes Using PCR-RFLP. In: Proceedings of International Conference on Global Challenges in Food, Environment, and Biotechnology for Sustainable Development, February 21-23, 2024, GJUS&T, Hisar.
4. Jangra A., and **Chhokar, V.** (2024). Unravelling the Role of Octaketide Synthase Gene in Aloin Biosynthesis by CRISPR/Cas9 Mediated Mutagenesis in *Aloe vera*. In: Proceedings of International Conference on Global Challenges in Food, Environment, and Biotechnology for Sustainable Development, February 21-23, 2024, GJUS&T, Hisar.
5. Sihag S., Jangra A., Sharma G., Kumar A., **Chhokar, V.** (2024). SNPs association analysis with milk traits in Glycerol phosphate acyltransferase (GPAM) and Diacylglycerol acyltransferase (DGAT1) Genes of *Bubalus bubalis*. In: Proceedings of International Conference on Global Challenges in Food, Environment, and Biotechnology for Sustainable Development, February 21-23, 2024, GJUS&T, Hisar.
6. Sharma G., Jangra A., Sihag S., Kumar A., and **Chhokar, V.** (2024). Sequence Validation and Molecular Docking Analysis of 3- β Hydroxysteroid Dehydrogenase in Bufadienolide Biosynthesis in *Bryophyllum pinnatum*. In: Proceedings of International Conference on Global Challenges in Food, Environment, and Biotechnology for Sustainable Development, February 21-23, 2024, GJUS&T, Hisar.
7. Yadav S., Kumar D., Bishnoi SK., Singh O., Singh G., **Chhokar V.** (2024). Relative Gene Expression Analysis of Genes Involved in β -Glucan, Starch, Sucrose and Fructan Biosynthesis: Insight into Better Indigenous Malt Cultivar Development. In: Proceedings of International Conference on Global Challenges in Food, Environment, and Biotechnology for Sustainable Development, February 21-23, 2024, GJUS&T, Hisar.
8. Sapna., Kumar R., and **Chhokar V.** (2024). Green synthesis characterization and biological activities of *Rumex obtusifolius* mediated silver nanoparticle. In: Proceedings

- of International Conference on Global Challenges in Food, Environment, and Biotechnology for Sustainable Development, February 21-23, 2024, GJUS&T, Hisar.
9. Kumar R., Jangra A., Kumar A., and **Chhokar V.** (2023). *Aloe vera*: A universal panacea to health culprit: A review. In: Proceedings of 6th AMIFOST 2023 on Multidisciplinary Approach for Healthy and Sustainable Foods, April 13-14, 2023. Amity Institutes of Food Technology, Amity University Uttar Pradesh, Noida,.
 10. Malik C., Kumar R., Kumar A., **Chhokar V.** (2023). Evaluation of genetic diversity in *Asparagus Racemosus* genotypes using AFLP markers. In: Proceedings of the International conference on biotechnology and human welfare: Vision 2030 and beyond. ICBHW-2023: March 3-4, 2023, Chaudhary Devi Lal University, Sirsa, Haryana.
 11. Jangra A., Sharma G., Sihag S., Kumar A., **Chhokar V.** (2023). Unravelling the role of *octaketide synthase* gene in aloin biosynthesis by homologous overexpression in Aloe Vera. In: Proceedings of the International conference on biotechnology and human welfare: Vision 2030 and beyond. ICBHW-2023. March 3-4, 2023, Chaudhary Devi Lal University, Sirsa, Haryana.
 12. Sihag S., Kumar A., Jangra A., Sharma G., **Chhokar, V.** (2023). Significant association analysis of Kappa-Casein and Alpha-Lactalbumin genes polymorphism with milk traits of bubalus bubalis. In: Proceedings of the International conference on biotechnology and human welfare: Vision 2030 and beyond. ICBHW-2023. March 3-4, 2023, Chaudhary Devi Lal University, Sirsa, Haryana.
 13. Sharma G., Jangra A., Sihag S., Chaturvedi S., Kumar A., **Chhokar, V.** (2023). Differential gene expression analysis of genes involved in the biosynthesis of bufadienolide by qPCR in *bryophyllum pinnatum*. In: Proceedings of the International conference on biotechnology and human welfare: Vision 2030 and beyond. ICBHW-2023. March 3-4, 2023, Chaudhary Devi Lal University, Sirsa, Haryana.
 14. Bagaria H., Malik C., Yadav S., Kumar A., **Chhokar V.** (2023). In-vitro regeneration and callus induction of rice (*Oryza sativa*). In: Proceedings of the International conference on biotechnology and human welfare: Vision 2030 and beyond. ICBHW-2023. March 3-4, 2023, Chaudhary Devi Lal University, Sirsa, Haryana.
 15. Yadav S., Kumar D., Bishnoi SK., Singh O., Singh G., **Chhokar V.** (2023). Comparative reference-based whole transcriptome sequencing of Indian barley varieties using Illumina platform. In: Proceedings of the International conference on biotechnology and human welfare: Vision 2030 and beyond. ICBHW-2023. March 3-4, 2023, Chaudhary Devi Lal University, Sirsa, Haryana.
 16. Malik C., Yadav S., Bagaria H., Kumar A., **Chhokar V.** (2023). Phytochemical analysis of secondary metabolites in roots of *Asparagus Racemosus*. In Proceeding of the International conference on climate resilient agriculture for food security and

sustainability. February 17-19, 2023, CCS Haryana Agriculture University, Hisar, Haryana.

17. Mehrotra S., and **Chhokar V.** (2022). Nanotechnology - An Emerging Warrior against Cancer. In: Proceedings of the 7th International Conference on “Opportunities and Challenges in Agriculture, Environmental & Biosciences for Global Development” (OCAEBGD-2022), Goa. October 29-31, 2022, St. Joseph Vaz Spiritual Renewal Centre, Cruz Dos Milagres, Old Goa, Goa.
18. Jangra A, Sihag S, Sharma G, Chaturvedi S, Kumar A, Tiwari S & **Chhokar V.** (2022). *InSilico* Analysis and Functional Characterization of a Novel Aldoketoreductase from *Aloe Vera*. In: Proceedings of 15th Chandigarh Science Congress (CHASCON-2022) Sep. 15-17, 2022, Panjab University, Chandigarh, India.
19. Sihag S, Rushdi H. E., Kumar A, Jangra A, Sharma G & **Chhokar V.** (2022). Polymorphism and Molecular Differentiation Analysis in Peroxisome Proliferator Activated Receptor Gamma Coactivator 1-Alpha (PPARGC1A) gene in Egyptian and Indian Buffalo Breed. In: Proceedings of 15th Chandigarh Science Congress (CHASCON-2022) Sep. 15-17, 2022, Panjab University, Chandigarh, India.
20. Sharma G, Jangra A, Sihag S, Kumar A & **Chhokar V.** (2022). *De-novo* Transcriptomic Sequencing of *Bryophyllum Pinnatum* to Identify the Genes Involved in Biosynthesis of Secondary Metabolites. In: Proceedings of 15th Chandigarh Science Congress (CHASCON- 2022) Sep. 15-17, 2022, Panjab University, Chandigarh, India.
21. Jangra A, Sharma G, Sihag S, and **Chhokar V.** (2022). Optimization of efficient *Agrobacterium tumefaciens* mediated transformation in *Aloe vera*. In: Proceedings of International Conference on Advances in Agriculture and Food System Towards Sustainable Development Goals (AAFS 2022), Aug. 22-24, 2022, University of Agricultural Sciences, Bangalore, India.
22. Sihag S., and **Chhokar V.** (2022). Novel Polymorphic Variants n Stearoyl-Coenzyme A In: Proceedings of International Conference on Advances in Agriculture and Food System Towards Sustainable Development Goals (AAFS 2022), Aug. 22-24, 2022, University of Agricultural Sciences, Bangalore, India.
23. Rabuma T, Gupta OP, **Chhokar V.** (2021). Deciphering the regulatory role of miRNAs in *C. annuum* L. during *P. capsici* infection. In: Proceedings of 61st Annual International Conference on “Microbial World Recent Developments in Health, Agriculture and Environmental Sciences” February 03-05, 2021, University of Delhi, India.

24. Rani M, Jaglan S, **Chhokar V.** (2021). Isolation, screening, and characterization of saponin-producing endophytic fungi from roots of *Asparagus racemosus*. In: Proceeding of International Conference on “Microbial World: Recent Developments in Health, Agriculture and Environment Sciences (AMI-INSCR-2021)” February 0305, 2021, University of Delhi, Delhi, India.
25. Kumar D, **Chhokar V**, Gangwar OP, Sivasamy M, Sai Prasad SV, Tiwari R (2019). Genome-wide association studies targeting resistance against multiple rusts in Indian bread wheat. In: International conference on "Global perspective in agricultural and applied sciences for food and environmental security" December 1-2, 2021, Kumaun University, Nainital, Uttarakhand, Vol. I p. 132.
26. Kumar D, Sheoran S, Gangwar OP, **Chhokar V**, Tiwari R (2019). Genetic diversity and association studies for seedling and adult plant stripe rust resistance in Indian bread wheat. In: 4th International Group Meeting on "Wheat productivity enhancement through climate-smart practices" February 14-16, 2019 CSK HPKV Palampur, Himachal Pradesh, p. 51.
27. Rani M, Choudhri P, **Chhokar V.** (2018). Isolation of squalene epoxidase gene involved in saponin biosynthesis in *Aloe vera*. In: Proceedings of International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN- 2018)” February 21-23, 2018, GJUS&T, Hisar, India. pp: e110.
28. Malik C, Dwivedi S, Rani M, **Chhokar V.** (2018) De novo Transcriptome Analysis of *Asparagus racemosus* and expression analysis of genes related to flavonoid synthesis. In: Proceedings of International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” February 21-23, 2018, GJUS&T, Hisar, India. pp: e111.
29. Choudhri P, Rani M, **Chhokar V.** (2018). Isolation of UDP glycosyl transferase gene involved in secondary metabolite biosynthesis in *Aloe vera*. In Proceedings of International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” February 21-23, 2018, GJUS&T, Hisar, India. pp: e117.
30. Mehra V, Rani A, **Chhokar V.** (2018). Molecular and genomic characterization of candidate genes associated with primary open angle glaucoma in human beings. In: Proceedings of International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” February 21-23, 2018, GJUS&T, Hisar, India. pp: e117.
31. Kumar R, Salar R.K., **Chhokar V.** (2018) AFLP analysis for genetic diversity in *Aloe vera* germplasm. In: Proceedings of International Conference on “Bio and Nano

- Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” February 21-23, 2018, GJUS&T, Hisar, India. pp: e120
32. Yadav R, Choudhri P, Garg P, **Chhokar V.** (2018) Bio informatics of UDP glycosyl transferases. In: Proceedings of International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” February 21-23, 2018, GJUS&T, Hisar, India. pp: e123.
 33. Yadav M. and **Chhokar V.** (2018) Study of antimicrobial and anticancer activity of silver and gold nanoparticles from the Brassicaceae family. In: Proceedings of International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” February 21-23, 2018, GJUS&T, Hisar, India. pp: e162.
 34. Rani M, Malik C, **Chhokar V.** (2018). Isolation and identification of endophytic fungi from roots of *Asparagus racemosus*. In: Proceedings of International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” February 21-23, 2018, GJUST, Hisar, India. pp: e163.
 35. Chauhan R, Dhanwal P, Kumar A, Hemlata S, Dudeja, Sweeta, **Chhokar V,** Kumar A (2018). Estimation of monochrotophos degradation via bacterial isolates screened from agricultural field soil. In: Proceedings of International Conference on “Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018)” February 21-23, 2018, GJUS&T, Hisar, India. pp: e 56.
 36. Alka, Sonia, Rani V, Sumit, Lambe U. P., Kumar P, **Chhokar V,** Prasad M. (2018). Nucleic Acid Based Detection of Poultry and Animal Rotaviruses. In: Proceedings of International Conference on Bio and Nano Technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN 2018), Feb. 21-23, 2018, GJUS&T, Hisar, India
 37. Rani M, Chaudhri P, Kumar A, **Chhokar V.** (2017). Isolation of cycloartenol synthase gene involved in saponin biosynthesis in *Aloe vera*. In Proceedings of International Conference on “Emerging Areas of Environmental Science and Engineering” Feb 16-18, 2017, GJUS&T, Hisar.
 38. Chaudhri P, Rani M, Anil Kumar, **Chhokar V.** (2017). Identification of UDP glycosyl transferase gene involved in secondary metabolites biosynthesis in *Aloe vera*. In Proceedings of International Conference on “Emerging Areas of Environmental Science and Engineering” Feb 16-18, 2017, GJUS&T, Hisar.
 39. Chauhan R, Dhanwal P, Kumar A, Hemlata, Dudeja S, Soni S, **Chhokar V,** Kumar A (2017). Isolation and screening of monocrotophos degrading bacterial isolates from agricultural field soil. In Proceedings of International Conference on

“Emerging Areas of Environmental Science and Engineering” Feb 16-18, 2017, GJUS&T, Hisar.

40. Dhanwal P, Kumar A, Hemlata, Dudeja S, Chauhan R, Kumar A, **Chhokar V.** (2017). Environment and Hindu Perspective In Proceedings of International Conference on “Nurturing Human values in Youth: A Perspective of Srimad Bhagavad Gita” December 8-10, 2016, GJUS&T, Hisar.
41. Rani M, Chaudhri P, Kumar R, Kumar A, **Chhokar V.** (2017). Identification of acetoacetyl-CoA thiolase gene catalyzing initial step of saponin biosynthesis in *Aloe vera*. In Proceedings of National Conference on “Food Processing India 2017” March 3-4, 2017, GJUS&T, Hisar.
42. Jangra S, **Chhokar V**, Duhan S (2015). Inclusion of poorly soluble emodin in sol-gel derived mesoporous SBA-15 and its release properties. In: Proceedings of 3rd National Conference on “Photonics and Materials Science” November 18-19, 2015, GJUS&T, Hisar.
43. Dhanwal P, Kumar A, Chaubey A, Dudeja S, Chauhan R, Hemlata, Kumar A, Beniwal V, **Chhokar V.** (2016). Isolation, screening and optimization of methyl parathion degrading fungi isolated from pesticide-contaminated soil. In: Proceedings of National Conference on “Biotechnology: Emerging Trends-2016” February 11-12, 2016 CDLU, Sirsa.
44. Chauhan R, **Chhokar V**, Kumar A (2016). Isolation, screening and optimization of methyl parathion degrading bacteria isolated from pesticide-contaminated soil. In: Proceedings of National Conference on “Biotechnology: Emerging Trends-2016” February 11-12, 2016, CDLU, Sirsa.
45. Kumar A, Kumar A, Dhanwal P, Dudeja S, Chauhan R, Hemlata, Beniwal V, **Chhokar V.** (2016) Isolation and screening of cellulase producing fungi from soil. In: Proceedings of National Conference on “Biotechnology: Emerging Trends-2016” February 11-12, 2016, CDLU, Sirsa.
46. Dudeja S, Kumar A, Gaur Y, Dhanwal P, Chauhan R, Hemlata, Kumar A, Beniwal V, **Chhokar V.** (2016). Isolation, Screening and optimization of Methyl Parathion degrading Actinomycetes from pesticide contaminated soil, In: Proceedings of National Conference on “Biotechnology: Emerging Trends-2016” February 11-12, 2016, CDLU, Sirsa.
47. Kumar R, Salar RK, **Chhokar V.** (2016). Comparison of different electrophoresis methods for the separation of SSR markers in *Aloe vera*. In: Proceedings of National Conference on “Biotechnology: Emerging Trends-2016” February 11-12, 2016, CDLU, Sirsa.

48. Dhanda M, Kumar A, **Chhokar V.** (2016). Isolation of squalene synthase gene involved in saponin biosynthesis in *Aloe vera*. In: Proceedings of National Conference on “Biotechnology: Emerging Trends-2016” February 11-12, 2016, CDLU, Sirsa.
49. Dwivedi S, Malik C, **Chhokar V.** (2016) Denovo transcriptome sequencing of *Asparagus racemosus* to identify genes involved in the biosynthesis of bioactive constituents. In: Proceedings of International Conference on “Human Implications of Biotechnology” February 12-14, 2016, Central University of south Bihar, Patna.
50. Jangra S, **Chhokar V**, Tomer VK, Sharma AK, Duhan S (2016). Influence of functionalization type on controlled release of emodin from CPTES and APTESfunctionalized mesoporous silica. In: Proceedings of National conference on “Organic synthesis and Catalysis” Feb 17-18, 2016, GJUS&T, Hisar.
51. Aggarwal H, Rao A, Kumar A, Singh J, Rana J.S, Naik P. K, **Chhokar V.** (2013). Genetic diversity estimates in chickpea (*Cicer arietinum L.*) using STMS markers. In Proceedings of National Symposium on “Biotechnology: Present Status and Future Prospects” March 15-16, 2013, DCRUST, Murthal.
52. Kumar A, Kumar R, Beniwal V, Kumar A, Kumar M and, **Chhokar V.** (2012) Isolation of pesticide degrading bacteria from the pretreated soil of different agroclimatic regions. In Proceedings of National Symposium on “Biotechnology: Present Status and Future Prospects” March 15-16, 2013, DCRUST, Murthal.
53. Aggarwal H, **Chhokar V**, Rao A, Kumar A, Singh J, Naik P. K. and Rana J.S. (2012). Determination of genetic variability among 125 genotypes of chickpea (*Cicer arietinum L.*) using ISSR markers. In Proceedings of International Conference on “Biotechnology: Emerging Trends” September 18-20, 2012, CDLU, Sirsa .
54. Aggarwal H, Rao A, Kumar A, Kumar R, Rana J.S, Singh Jand, **Chhokar V.** (2011). Assessing genetic diversity in chickpea (*Cicer arietinum L*) using ISSR markers. In: Proceedings of National Conference on “Multidisciplinary approaches in frontier areas of Environmental Sciences & Engineering” March 04-05, 2011, GJUS&T, Hisar.
55. Mehra R, Saini J, Aggarwal S, Aggarwal H, Kumar A, **Chhokar V.** (2011). Analysis of genetic diversity in *Aloe vera* using RAPD markers. In: 15th Annual Convention of ADNAT: Intl. Symposium on “Genomics and Biodiversity” February 23-25, 2011. Centre for Cell and Molecular Biology, Hyderabad.
56. Kumar A, Beniwal V, Kumar R, Mishra A, Raut A.A, Kala S.N, **Chhokar V.** (2011). Identification of acetyl CoA carboxylase gene in *Bubalis Bubalis*. In: Proceedings of “World Congress on Biotechnology” March 21-23, 2011, Hyderabad.

57. Kumar R, Nandal A, Saini J, Aggarwal H, Kumar A, **Chhokar V.** (2011) DNA fingerprinting of aloe (*Aloe vera*) using ISSR markers In: Proceedings of National Conference on “Multidisciplinary approaches in frontier areas of Environmental Sciences & Engineering” March 04-05, 2011, GJUS&T, Hisar.
58. Beniwal V, Kumar A, **Chhokar V.** (2011). Screening of various agro-residue for their potential as a solid substrate for tannase production. In: Proceedings of National Conference on “New Horizons in Bio-Processing of Foods” February 25-26, 2011, Longowal.
59. Aggarwal H, Kumar V, Kumar A, Singh J, **Chhokar V.** (2011). Assessing genetic diversity in chickpea (*Cicer arietinum* L) using ISSR markers In: Proceedings of “World Congress on Biotechnology” March 21-23,2011, Hyderabad.
60. Sudha, Beniwal V, Nehra K.S, **Chhokar V.** (2011). Effect of lead on lipid metabolism in mustard (*Brassica Juncea*) during seed development. In: Proceeding of National Conference on “Multidisciplinary approaches in frontier areas of Environmental Sciences & Engineering” March 04-05, 2011, GJUS&T, Hisar.
61. Aggarwal H, Rao A, Kumar A, Rana J.S, Singh J, **Chhokar V.** (2011). Comparative efficiency of DNA isolation from different tissues of chickpea (*Cicer arietinum* L.) In: Proceedings of National Conference on “Environmental and Health Issues in Changing Climatic Scenario” October 14-15, 2010, Rohtak.
62. Kumar A, Beniwal V, Kumar R, Mishra A, Raut A.A, Kala S.N, **Chhokar V.** (2011). Identification of acetyl CoA carboxylase gene in *Bubalis Bubalis*. In: Proceedings of “World Congress on Biotechnology” March 21-23,2011, Hyderabad.
63. Kumar R, Nandal A, Saini J, Aggarwal H, Kumar A, **Chhokar V.** (2011) DNA fingerprinting of aloe (*Aloevera*) using ISSR markers In: Proceedings of National Conference on “Multidisciplinary approaches in frontier areas of Environmental Sciences &Engineering, March 04-05, 2011, GJUS&T, Hisar.
64. Chhabra M, Kumar A, Saxena N, **Chhokar V.** (2011). Evaluation of aloe (*Aloe vera*) genotypes for aloin contents. In: Proceedings of National Conference on “Multidisciplinary approaches in frontier areas of Environmental Sciences & Engineering” March 04-05, 2011, GJUS&T, Hisar.
65. Sushma, Beniwal V, Nehra K.S, **Chhokar V.** (2011). Effect of Cd on lipid metabolism in mustard (*Brassica Juncea*) during seed development. In: National Conference on “Multidisciplinary approaches in frontier areas of Environmental Sciences & Engineering” March 04-05, 2011, GJUS&T, Hisar.
66. Kumar M, Kumar A, Rana J. S. and **Chhokar V.** (2010) DNA fingerprinting of *Asparagus racemosus* Willd. using Randomly Amplified Polymorphic DNA molecular markers. In: Proceedings of Indo-US Bilateral Workshop on “Plant

Genomics in Crop Improvement with Reference to Biotic and Abiotic Stresses”, Feb 25-27, 2010, CCS HAU, Hisar.

67. Kumar M., Aggarwal H., Rao A. Rana J.S., **Chhokar V.** (2010) Analysis of genetic diversity in chickpea (*Cicer arietinum* L.) using microsatellite markers. In: Proceedings of Indo-US Bilateral Workshop on “Plant Genomics in Crop Improvement with Reference to Biotic and Abiotic Stresses”, Feb 25-27, 2010, CCS HAU, Hisar.
68. Kumar A., **Chhokar V.**, Samuchiwal S.K., Beniwal V, Kala S.N., Mishra A. Yadav P.S. and Raut A.A. (2010) Expression of pluripotency determining factor SOX-2 in umbilical cord blood of buffalo. In: Proceedings of International Buffalo Conference on “Optimizing Buffalo Productivity Through Conventional and Novel Technologies”, Feb 1-4, NASC Complex, New Delhi.
69. **Chhokar V.**, Surender Kumar, Beniwal V, Kumar A and Rana J.S (2009) Immobilization of *Aspergillus awamori* tannase and properties of the immobilized enzyme. In: 50th AMI Conference on “Third Golden Era of Microbiology”, December 15-18,2009, National Chemical Laboratory, Pune.
70. Beniwal V, **Chhokar V.**, Rana J.S and Sharma J. K (2009). Optimization of gallic acid production by *Enterobacter cloacae* under submerged fermentation. In: 50th AMI Conference on “Third Golden Era of Microbiology”, December 15-18, 2009, National Chemical Laboratory, Pune.
71. **Chhokar V.**, Kumar M, Yadav O.P (2009). A new protocol for the extraction of high molecular weight DNA from satawar (*Asparagus racemosus*) In: Proceedings of Workshop on “Prospects and Problems in Production, Processing and Marketing of Medicinal and Aromatic Plants in Haryana” March 20-21, 2009, CCS Haryana Agricultural University, Hisar, pp 20-22.
72. Rao A, Gyanprakash, **Chhokar V** (2009). Antibacterial effect of root extracts of *Asparagus racemosus*. In: Proceedings of National Workshop on “Quality Control of ASU Drugs” with Pharma Industry as a Partner January 24, 2009, National Institute of Ayurvedic Pharmaceutical Research, Patiala, pp 145-150.
73. Nawaj Z, Kumar P, Kumar S, Kumar A, **Chhokar V.**, Rana J.S, Beniwal V, Mishra A, Raut A. A (2008). Identification of Ovine *Peroxisome proliferator activated receptor coactivator-1* gene. In: Proceedings of National Conference on “Genomics, Proteomics & System Biology” October 1-3, 2008, IIS, Bangalore.
74. Kumar A, Rana J.S, Beniwal V, Kumar S, Mishra A, Raut A.A, **Chhokar V.** (2008). Identification of gene encoding an *acyl CoA: Diacyl glycerol acyltransferase* (DGAT-1), a keyenzyme in triacylglycerol synthesis in small ruminants. In:

Proceedings of National Conference on “Genomics, Proteomics & System Biology”
October 1-3, 2008, IIS, Bangalore.

75. Kumar M, Rao A, Kumar A, **Chhokar V.** (2008). Nutritional evaluation of *Asparagus*- A review. In: Proceedings of National Seminar on “Food Safety and Quality” October 20-21, 2008, GJUS&T, Hisar, pp 305-310.
76. Kumar A, Nawaj Z, Rana J. S, Beniwal V, Kumar S, Mishra A, Raut A.A, Kala S. N, Rana N, **Chhokar V.** (2008). Molecular characterization of Fatty acid Synthase (FASN) gene in *Bubalus bubalis*. In: Proceedings of International Conference on “Society Biotechnology” December 28-30,2008 Gangtok, Sikkim.
77. Beniwal V, **Chhokar V**, Manoranjan, Kumar A, Rana J.S (2008). Isolation and screening of Micro-organisms for biosynthesis of tannase. In: Proceedings of International Conference on “Society Biotechnology” December 28-30, 2008 Gangtok, Sikkim.
78. Beniwal V, **Chhokar V**, Sharma J, Kumar A, Rana J.S (2008). Optimization of physio chemical conditions for the production of tannase by a newly isolated bacterium *Enterobacter cloacae* MTCC 9125 under submerged fermentation. In: Proceedings of 49th Annual AMI Conference, November 18-20, 2008, Delhi.
79. Chhimpa V, Suthar S, Bishnoi R.K, Saharn I, Beniwal V, **Chhokar V**, Pareek B (2008). Coliforms bacterial contamination of drinking water in some rural areas of northern Rajasthan. In: Proceedings of International Conference on “Biodiversity, Environment and sustainability Challenges for Future” September 4-6, 2008, New Delhi.
80. Kumar Y, Kumar S, Tiwari R, Saharan M S, **Chhokar V**, Jag S (2007). Enhancing genetic rust resistance through marker-assisted incorporation of *Lr 35* gene in wheat. In: Joint Indo-Korean Symposium on “Biochemical Engineering and Biotechnology, February 22-24, 2007, IIT Delhi, Haus Khas, New Delhi.
81. Kumar Y, Kumar S, Priyamvada, Sinha P, Mall A K, **Chhokar V**, Sivasamy M, Tiwari R (2006). Detection of specific rust resistance genes in near isogenic lines (NILs) and segregating populations using molecular markers. In: Proceedings of 8th National Symposium on “Biochemical Engineering and Biotechnology” March 10-11, 2006. IIT Delhi, Haus Khas, New Delhi.
82. **Chhokar V**, Chaudhary A (2003). Studies on DNA Polymorphism in Murrah buffaloes using RAPD Markers. In: Proceedings of 4th Asian Buffalo Congress on "Buffalo for Food Security and Rural Employment" February 25-28, 2003, New Delhi, India.
83. **Chhokar V**, Kumar D (2003). Molecular Biology as a tool to improve potato processing quality. In: Proceedings of Conference on “Processing and exporting

potatoes within Asia” March 10, 2003, Meerut, India.

84. **Chhokar V.** (2003). Golden Rice. Report of Orientation Programme. May 5-31, 2003, 217: 56.
85. Sandeep, Dahiya P, **Chhokar V**, Dilbaghi N (2003). Isolation of lactose fermenting yeast strain for ethanol production from lactose and waste from dairy processing industries. In: National Seminar on "Emerging Environmental Issues and Technological Challenges" September 1-2, GJUS&T Hisar.
86. **Chhokar V**, Saini A, Saxena N and Chauhan T.R. (2001) Determination of various blood parameters in buffalo calves fed on cattle waste silage. In: Proceedings of X Animal Nutrition Conference. Nov 9-11, 2001, NDRI, Karnal
87. Kumari P, Saini A, and **Chhokar V.** (2001). Efficacy of certain chemicals and herbal agents against the growth of aflatoxins producing fungi. In: Proceedings of X Animal Nutrition Conference. Nov 9-11, 2001, NDRI, Karnal
88. **Chhokar V.**, Sood D.R. and Gupta R.P (2000). Studies of some biochemical constituents of garlic cloves arranged in different rings. In: Proceedings of National Symposium on Onion Garlic Production and Post-Harvest Management Challenges and Strategies. Nov 19-21,2000
89. Sood D.R., **Chhokar V.**, and Deka S.C. (1998) Biochemical investigation relating to therapeutic evaluation of garlic (*Allium sativum L.*). In: 7th World Congress on Clinical Nutrition. Oct 14-17, 1998. Indian Habitat Centre, New Delhi.
90. **Chhokar V**, Malhotra S and Singh R (1996). Characterization and nutritional evaluation of rice bean (*Vigna umbellata*) storage proteins. In Proceedings of National Symposium on Current Trends in Plant Biochemistry and Biotechnology. February 23-25, 1996.