

Curriculum Vitae

Dr. Satwinderjeet Kaur

Professor

BOYSCAST Fellow (DST); CREST Fellow (DBT)

Former Head

Department of Botanical & Environmental Sciences

Guru Nanak Dev University

Amritsar 143005,

India

satwinderjeet.botenv@gndu.ac.in

sjkaur@rediffmail.com;

Mob. : 8283808508 ,9988195508(M)



AREA OF SPECIALISATION: Plant Sciences, Genetic Toxicology, Natural plant products, Cancer chemoprevention

PROFILE LINKS:

GNDU website: [Faculty Proforma \(gndu.ac.in\)](http://gndu.ac.in)

Orcid : [0000-0003-2864-6471](https://orcid.org/0000-0003-2864-6471)

Research Publications: 189

Google scholar Citations: 4586

h-index: 35

i10 index: 118

EXPERIENCE: Teaching experience: 27 years
Research experience: 33 years

ACADEMIC QUALIFICATIONS:

S.No	Degree	Year	Subject	University/ Institution	% of marks
1	Matric	1985		ICSE, New Delhi	76%
2	B.Sc	1989	Medical	GNDU,Amritsar	74% (Roll of Honour)
3	M.Sc.	1991	Botany	GNDU,Amritsar	76% (Gold Medalist)
4	Ph.D	1997	Botany	GNDU,Amritsar	Degree awarded

Ph.D THESIS : Antimutagenic studies of Polyphenols isolated from *Terminalia arjuna* in *Salmonella typhimurium*.

RESEARCH GUIDANCE:

Ph.D Students

Guided: 15

Currently Registered: 9

M.Phil Students

Guided: 7

AWARDS / PRIZE / CERTIFICATE / FELLOWSHIPS:

S.No	Name of Award	Awarding Agency	Year
1.	Inres Research Excellence Award	Institute of Researcher (Inres), Kerela	2022
2.	Nation Buidar Award	Rotary Club of Amritsar Aastha	2022
3.	DBT CREST Fellowship 2013 for research at the University of Wisconsin, Madison, USA.	DBT, New Delhi	2013
4.	Travel grant for attending 37 th Environmental Mutagen Society-US Annual meeting at Vancouver, Canada	DBT, New Delhi	2006
5.	Prof. P.N. Mehra Memorial Young Scientist Award	Punjab University Chandigarh	2006
6.	BOYSCAST Fellowship for research at the University of Wisconsin, Madison, USA	DST, New Delhi	2004
7.	Travel grant for attending VIII th International conference on Mechanisms of Antimutagenesis and Anticarcinogenesis, Pisa, Italy.	DST and CSIR, New Delhi	2003
8.	Qualified National Eligibility Test	UGC-CSIR, New Delhi	1992
9.	Qualified GATE Test	Department of Higher Education, Ministry of Human Resource Development, Government of India	1992
10.	Gold Medalist in M.Sc. in Botanical Sciences	Department of Botanical Sciences, G.N.D.University, Amritsar	1991
11.	Roll of Honour during B.Sc (Medical)	S.R.Govt. College, Amritsar	1989

MEMBERSHIP OF ACADEMIC BODIES:

- Member of Society for Free Radical Research – India Affiliated to SFRR-Asia and SFRR-International.
- Life-member, Environmental Mutagen Society of India, BARC, Mumbai.
- Member Board of Control, Department of Botanical Sciences, GNDU, Amritsar.
- Life-member, Indian Association for Cancer Research, Navi Mumbai.
- Society of Plant Science Research, PAU, Ludhiana.
- Member of Faculty of Life Sciences, GNDU, Amritsar
- Member of Planning Committee, GNDU, Amritsar.
- Member Board of Studies, GNDU, Amritsar; Khalsa College Amritsar; KMV College, Jalandhar.
- Mendelian Society of India, Patna.

COLLABORATIONS:

INTERNATIONAL:

- University of Wisconsin, Madrid, USA

NATIONAL:

- CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh.
- Annamalai University, Annamalaiagar, Tamil Nadu.
- NIT, Kurukshetra.
- Kurukshetra University, Kurukshetra.

RESEARCH PROJECTS:

Completed :10

[02 CSIR,01 ICMR, 04 UGC, 02 DST, 01 MOEFCC] [Approx. 165.56 Lakh]

Ongoing :1

[01 DST-SERB]

RESEARCH PUBLICATIONS: 189

S. No.	Authors	Title of Paper	Journal Name	Impact Factor	Volume and page no.	Year
1.	Ahmad, M., Verma, S., Singla, N., Bhadwal, S. S., Kaur, S. , Singh, P., & Kumar, S.	A fluorescent probe with serum albumin as a signal amplifier for real-time sensing of HSO 3 ⁻ in solution, mitochondria of animal cells and rice roots.	Journal of Materials Chemistry B	6.1	12(45), 11778-11788	2024
2.	Pandit, K., Kaur, S., Kumar, M., Bhardwaj, R., & Kaur, S.	Salinity stress: Impact on plant growth.	Advances in Food Security and Sustainability Elsevier	-	145-160, ISSN 2452-2635, ISBN 9780443219078 doi.org/10.1016/bs.af.2s.2024.07.002	2024
3.	Neha Sharma, Rasdeep Kour, Shagun Verma, Vandana Sharma, Deepika Singh, Sumit G. Gandhi, Vaseem Raja, Satwinderjeet Kaur , Naveen Kumar, Khalid Mashay Al-Anazi, Mohammad Abul Farah	Growth inhibitory potential of quinone-rich fraction of <i>Plumbago zeylanica</i> L. Against MG-63 osteosarcoma cells via Bax/Bcl-2 modulation.	Journal of King Saud University - Science	3.7	36 (9), 103405 https://doi.org/10.1016/j.jksus.2024.103405.	2024
4.	Kumar, R., Kumar, A., Kamal, R., Kumar, A., & Kaur, S.	Anticancer Potential of Quinazoline Derivatives Modified with Hydrazones and Triazoles Against MG-63 Cancer Cell Line.	Chemistry Select	1.9	9(46), e202404242.	2024
5.	Kumar, S., Showkat, S., Kaur, S., Kaur, S. , Mishra, P. C., & Singh, P.	ESIPT+ TICT-based Near-IR Detection of Al ³⁺ and F ⁻ in Live Cells: Molecular Docking with Acetylcholinesterase.	Chemistry–An Asian Journal,	3.5	e202400678.	2024

6.	Verma, S., Singla, N., Bhadwal, S. S., Chauhan, R., Kumar, S., Gandhi, S. G., & Kaur, S.	Exploring Multifaceted Roles of Nitroreductases in Bacterial, Animal and Plant Biosystems and their Detection using Fluorescent Probes.	Chemistry Select	1.9	9(27), e2024014 26	2024
7.	Bains, O., Kumar, A., Kamal, R., Kour, R., Kaur, S., Kaur, S. , Kaur ... & Kumar, R.	Synthesis, anticancer evaluation, in-silico ADMET and molecular docking studies for tailored pyrazolo-benzothiazole hybrids.	Asian Journal of Organic Chemistry	2.8	e2024001 87	2024
8.	Ahmad, S. S., Kour, R., Bhat, A. H., Raja, V., Gandhi, S. G., Ataya, F. S., ... & Kaur, S.	Metabolomic Insights and Bioactive Efficacies of <i>Tragopogon dubius</i> Root Fractions: Antioxidant and Antiproliferative Assessments	Heliyon	3.4	-	2024
9.	Siloni Singh Bhadwal, Shagun Verma, Shahnawaz Hassan, Satwinderjeet Kaur	Unraveling the potential of hydrogen sulfide as a signaling molecule for plant development and environmental stress responses: A state-of-the-art review	Plant Physiology and Biochemistry	6.5	-	2024
10.	Kumar, M., Kumar, P., Kaur, A., Kaur, S. , & Kaur, S.	Bioactive phytochemicals from Ephedra: An updated review.	The Thai Journal of Pharmaceutical Sciences	0.4	47(4), 7.	2024
11.	Hussain, M., Kiran, S., Sayed, I., Khazir, J., Maqbool, T., Ibrahim, M., Kaur, S. , Mir, B.A. and Rahi, P.,	Altitude-dependent influence of <i>Artemisia brevifolia</i> on its rhizosphere microbiome in Ladakh region of the Western Himalayas.	Rhizosphere	3.4	100918	2024
12.	Singla, N., Dhiman, S., Ahmad, M., Kaur, S. , Singh, P., & Kumar, S.	Red and NIR active dipod–SDS self-assemblies for “turn on” quantification of spermine in serum, urine and food: smart-phone assisted on-site determination of spermine in amine-rich foods.	Sensors & Diagnostics,	3.5	3(6), 1051-1061.	2024
13.	Narendra, G., Raju, B., Verma, H., Kumar, M., Jain, S. K., Tung, G. K., Kaur, S. , ... & Silakari, O.	Scaffold hopping based designing of selective ALDH1A1 inhibitors to overcome cyclophosphamide resistance: synthesis and biological evaluation.	RSC Medicinal Chemistry.	4.1	-	2024

14.	Kumar, M., Kaur, S., & Kaur, S.	c-Jun N-terminal Kinase (JNK), p38, and Caspases: Promising Therapeutic Targets for the Regulation of Apoptosis in Cancer Cells by Phytochemicals	Current Cancer Therapy Reviews	0.54	20(2), 200-211	2024
15.	Hussain, M., Thakur, R. K., Khazir, J., Ahmed, S., Khan, M. I., Rahi, P., Kaur, S. , ... & Mir, B. A.	Traditional uses, Phytochemistry, Pharmacology, and Toxicology of the Genus <i>Artemisia</i> L. (Asteraceae): A High-value Medicinal Plant.	Current Topics in Medicinal Chemistry	3.4	24(4), 301-342	2024
16.	Chandni, S.Showkat, A.Saloni, G.Bhagat, S.Ahmad, S.Kaur , Z.S.Khan, G.Kaur and G.Abdi.	Phytochemical characterization and biomedical potential of <i>Iris kashmiriana</i> flower extracts: A promising source of natural antioxidants and cytotoxic agents.	Scientific reports	3.8	24785	2024
17.	Kaur, R., Kumar, S., Showkat, S., Kaur, S. , & Singh, P.	Non-invasive 'turn-on'optical monitoring of homocysteine in urine, live cells and sweat.	Microchemical Journal	4.8	110275	2024
18.	Rasdeep Kour, Neha Sharma, Mangaljeet Singh, Subodh Kumar and Satwinderjeet Kaur	<i>Cassia fistula</i> L. bark fraction modulated GSK3b/ p53 expression for mitochondrial mediated apoptosis in HeLa cells	South African Journal of Botany	3.1	(168),48-60	2024
19.	Kumar, R., Bains, O., Kamal, R., Kumar, A., Kaur, S. , Bansal, A., & Chetti, P.,	PIFA Mediated Synthesis of Bis-1,2,4-triazoloquinazolines as Potential Anticancer Agents on MCF-7 Cancer Cells: Characterization, Molecular Docking, Antiproliferative and ADME Profile	ChemistrySelect	2.1	8(48), e202303876.	2023
20.	Kaur, M., Shivgotra, R., Thakur, S., Kour, R., Singh, M., Shahtaghi, N. R., Kaur, S. , ... & Jain, S. K.	A novel nanoemulgel formulation of Luliconazole with augmented antifungal efficacy: In-vitro, in-silico, ex-vivo, and in-vivo studies.	Journal of Drug Delivery Science and Technology	5.37	105102.	2023
21.	Neha Sharma , Rasdeep Kour, Kommu Nagaiah , Shafiul Haque, Hardeep Singh Tuli , Sandeep Kaur and	<i>Plumbago zeylanica</i> L. Root Fraction Mitigates Oxidative Stress-Induced DNA Damage in Human Blood Lymphocytes and Exhibits Cytotoxicity against MCF-7	Journal of Biological Regulators and Homeostatic Agents	3.2	37(10),5489-5502	2023

	Satwinderjeet Kaur.	Cells				
22.	Devi, M., Sharma, P., Sharma, N., Kaur, S. , Devi, M., Kaur, S. , ... & Bhalla, V.	Beyond molecular recognition: Perylene bisimide derivative as functional mimic of chlorpyrifos	Chemistry–An Asian Journal	4.83	18(19), e202300406.	2023
23.	Thakral, F., Kumar, A., Sharma, M., Kour, R., Kaur, S. , Shahwan, M., Chauhan, R., Bhatia, G.K., & Singh Tuli, H.	Green Synthesized Zinc Oxide Nanoparticles induced Apoptosis in Human Cervical (HeLa) and Breast (MCF-7) Cancer Cell Lines	Asian Journal of Chemistry	3.57	35(8):1979-1984	2023
24.	Kaur, N., Kour, R., Kaur, S. , & Singh, P.	Intelligent Colorimetric Sensor for Discriminative Detection of Pd ²⁺ /Pd ⁰ and PPh ₃ at Different Wavelength Readouts	ChemistrySelect	2.1	8(26), e202300693.	2023
25.	Kaur, N., Kour, R., Kaur, S. , & Singh, P.	Near-IR intracellular Pd ⁰ /Pd ²⁺ triggered de-allylation switch based on self-assembled perylene diimide	Journal of Photochemistry and Photobiology A: Chemistry	5.41	445, 115068	2023
26.	Sharma, N., Thakur, S., Kour, R., Kumar, A., Ahmad, A., Kaushik, P., ... & Kaur, S.	<i>Plumbago zeylanica</i> L. exhibited potent anticancer activity in Ehrlich ascites carcinoma bearing Swiss albino mice.	Journal of King Saud University-Science	3.8	35(9), 102932.	2023
27.	Kaur, N., Kour, R., Gasso, S., Marok, S. S., Kaur, S. , Mahajan, A., & Singh, P.	Near-IR intracellular ratiometric ‘turn-on’ discrimination of H ₂ S/Cys and low-cost test kits for ppm level detection of H ₂ S gas	Journal of Photochemistry and Photobiology A: Chemistry	5.41	435, 114345.	2023
28.	Kumar, S., Sharma, N., Marok, S. S., Kaur, S. , & Singh, P.	1,8-Naphthalimide based chemosensor for intracellular and in biofluid detection of Pd ²⁺ ions: Microscopic and anticounterfeiting studies.	Analytical Methods.	3.1	15, 5010-5017 10.1039/D3AY00948C	2023
29.	Kaur, R., Kour, R., Kaur, S. , & Singh, P.	An activatable AIEgen for imaging of endogenous H ₂ S: Reticulation based H ₂ S gas sensor.	Journal of Photochemistry and Photobiology A: Chemistry	5.141	114995.	2023
30.	Paramjeet Kaur, Manish Kumar, Sandeep Kaur, Ajay Kumar Satwinderjeet Kaur	In Vitro Modulation of Genotoxicity and Oxidative Stress by Polyphenol-Rich Fraction of Chinese Ladder Brake (<i>Pteris</i>	Applied Biochemistry and Biotechnology	3.16	https://doi.org/10.1007/s12010-	2023

		<i>vittata</i> L.)			023-04561-3	
31.	Narendra, G., Raju, B., Verma, H., Kumar, M., Jain, S.K., Tung, G.K., Thakur, S., Kaur, R., Kaur, S. , Sapra, B. and Singh, P.K.	Raloxifene and bazedoxifene as selective ALDH1A1 inhibitors to ameliorate cyclophosphamide resistance: A drug repurposing approach.	International Journal of Biological Macromolecules	8.025	124749.	2023
32.	Hussain, M., Ahmed, S., Ibrahim, M., Khazir, J., Ahmad, S.S., Thakur, R.K., Bhardwaj, R., Gandhi, S.G., Peer, L.A., Kaur, S. and Mir, B.A.	Phenolic content, antioxidant and allelopathic potential of <i>Artemisia brevifolia</i> Wall. ex Dc. across the elevations of Western Himalayan region of Ladakh.	South African Journal of Botany	3.111	508-519	2023
33.	Thakur, S., Singh, A., Kaur, M., Reza, N., Kumar, N., Kour, R., Kaur, S. , Bedi, P.M.S. and Jain, S.K	Vitamins and minerals fortified emulsion of omega-3 fatty acids for the management of preterm birth: In-vitro, in-silico, and in-vivo studies.	Journal of Drug Delivery Science and Technology	4.95	104409	2023
34.	Kumar, A., Sharma, B., Sharma, U., Parashar, G., Parashar, N.C., Rani, I., Ramniwas, S., Kaur, S. , Haque, S. and Tuli, H.S.	Apoptotic and antimetastatic effect of cucurbitacins in cancer: recent trends and advancement.	Naunyn-Schmiedeberg's Archives of Pharmacology	3.195	https://doi.org/10.1007/s00210-023-02471-z	2023
35.	Kour, R., Sharma, N., Showkat, S., Sharma, S., Nagaiah, K., Kumar, S., & Kaur, S.	Methanolic fraction of <i>Cassia fistula</i> L. bark exhibits potential to combat oxidative stress and possess antiproliferative activity.	Journal of Toxicology and Environmental Health	3.2420	Part A, 1-17.	2023
36.	Kaur, N., Kour, R., Gasso, S., Marok, S. S., Kaur, S. , Mahajan, A., & Singh, P.	Near-IR intracellular ratiometric 'turn-on' discrimination of H ₂ S/Cys and low-cost test kits for ppm level detection of H ₂ S gas.	Journal of Photochemistry and Photobiology A: Chemistry	5.141	435	2023

37.	Ahmad, M., Singla, N., Bhadwal, SS., Kaur,S., Singh,P. and Kumar, S.	Differentiation of HSA and BSA and Instantaneous Detection of HSO ₃ ⁻ Using Confined Space of Serum Albumins and Live Cell Imaging of Exogenous/Endogenous HSO ₃ ⁻	ACS Omega	4.132	8, 2639–2647	2023
38.	Singh, H., Singh, H., Sharma, S., Kaur, H., Kaur, A., Kaur, S., Kaur, S., Sahajpal, N.S., Chaubey, A., Shahtaghi, N.R. and Kaur, I. & Jain, S. K.	Genotoxic and mutagenic potential of 7-MethylXanthine: An investigational drug molecule for the treatment of myopia.	Drug and Chemical Toxicology (IDCT)	2.597	https://doi.org/10.1080/01480545.2022.2164011 .	2023
39.	Rajdeep Kaur, Rasdeep Kour, Satwinder Singh Marok, Satwinderjeet Kaur, Prabhpreet Singh	AIE+ESIPT active hydroxybenzothiazole for intracellular detection of Cu ²⁺ : Anticancer and anticounterfeiting applications.	Molecules	4.927	https://doi.org/10.3390/molecules27227678 Vol. 27(22) 7678	2022
40.	Nataraj, N., Hussain, M., Ibrahim, M., Hausmann, A. E., Rao, S., Kaur, S., S., Khazir, J., Mir, B.A. and Olsson, S.B	Effect of altitude on volatile organic and phenolic compounds of <i>Artemisia brevifolia</i> Wall ex Dc. from the Western Himalyas	Frontiers in Ecology and Evolution	3.75	https://doi.org/10.3389/fevo.2022.864728 Vol. 10	2022
41.	Sharma , P., Sharma ,N., Kaur,S., and Singh, P.	Pseudo-crown ether III: Naphthalimide-Pd(II) based fluorogenic ensemble for solution, vapour and intracellular detection of amine and anti-counterfeiting applications	Journal of Photochemistry and Photobiology A: Chemistry	5.141	Volume 430, 1 September 2022, 113974 https://doi.org/10.1016/j.jphotocem.2022.	2022

					113974	
42.	Prabhpreet Singh , Poonam Sharma, Neha Sharma and Satwinderjeet Kaur	Visual detection of spermine (vapor and aqueous phase) in food and urine samples: Bioimaging of spermine in HeLa cells	Microchemical Journal	4.8	183,1008004	2022
43.	Sharma, P., Sharma ,N., Kaur,S. , and Singh, P.	Synthesis, self-assembly and biolabeling of perylene diimide-tyrosine alkyl amide based amphiphiles: nanomolar detection of AOT surfactant	Royal Society of Chemistry	3.925	10.1039/D2NJ00093H 46, 9280-9289	2022
44.	Dhiman, S., Kour, R., Kaur, S. , Singh,P., & Kumar, S.	Mitochondria targeted dual-fluorescent probe for bio-imaging viscosity and F- with different fluorescence signals	Bioorganic Chemistry	5.307	Vol 129 106169	2022
45.	Dhiman, S., Kour, R., Kumar, G., Kaur, S. , Luxami, V., Singh, P., & Kumar, S.	Turn-On monopodal and dipodal nanoprobe for serum albumins—A case of shift in selectivity towards BSA and Z-to U-like conformational change.	Materials Chemistry Frontiers.	8.683	10.1039/D2QM00699E	2022
46.	Singh, A., Thakur, S., Viridi, A. S., Singh, N., Kour, R., Kaur, S. , & Jain, S. K.	Novel methylcellulose based thermosensitive in situ nano liposomes of docetaxel for improved pharmacokinetics and pharmacodynamics with reduced toxicity	Materials Today Communications	3.662	Vol. 33 https://doi.org/10.1016/j.mtcomm.2022.104167	2022
47.	Thakur, S., Kour, R., Kaur, S. , & Jain, S. K.	Spray-Dried Microspheres of Carboplatin: Technology to Develop Longer-Acting Injectable with Improved Physio-Chemical Stability, Toxicity, and Therapeutics.	AAPS PharmSciTech,	3.71	23(5), 1-22.	2022
48.	Kumar, A., Kaur, S. , Dhiman, S.,Singh, PP., Bhatia, G., Thakur, S., Tuli, HS., Sharma,U., Kumar, S., Alumutary , AG., Alnuqaydan ,AM., Hussain , A., Haque,S.,	Targeting Akt/NF-κB/p53 Pathway and Apoptosis Inducing Potential of 1,2-Benzenedicarboxylic Acid, Bis (2-Methyl Propyl) Ester Isolated from <i>Onosma bracteata</i> Wall. against Human Osteosarcoma (MG-63) Cells	Molecules	4.412	https://doi.org/10.3390/molecules27113478 Volume 27, Issue 11	2022

	Dhama, K and Kaur,SJ				(May 2022)	
49.	Singh, P., Sharma, P., Sharma, N. and Kaur, SJ.	A perylene diimide-based nanoring architecture for exogenous and endogenous ATP detection: biochemical assay for monitoring phosphorylation of glucose†	Journal of Materials Chemistry B	6.331	DOI: 10.1039/d1tb02235k	2022
50.	Kaur, T., Kumar, M. and Kaur,SJ.	Genotoxicity of sodium arsenite on Vicia faba root meristematic cells.	The Nucleus	4.590	Volume 65, Issue:1 (April 2022) https://doi.org/10.1007/s13237-022-00385-4	2022
51.	Kaur, N., Kaur, R., Kour, R., Kaur,SJ. and Singh, P.	Pseudo-Crown ether II: Intracellular and solution-, SiNPs based test-kits for ppm level detection of H ₂ S gas.	Dyes and Pigments	4.889	Volume 202, June 2022, 110280 https://doi.org/10.1016/j.dyepig.2022.110280	2022
52.	Singh, P., Sharma, P., Sharma, N. and Kaur, SJ.	Ratiometric 'lightening up' intracellular probe for Cu ²⁺ and ClO ₂ ⁻ and applications	Journal of Photochemistry	4.291	https://doi.org/10.101	2021

		for real time detection.	& Photobiology , A: Chemistry		6/j.jphotoc hem.2021. 113574	
53.	Singla, N., Ahmad, M., Kumar, G., Singh, S., Verma, S., Kaur, S. , Rashid, M., Kaur, SJ.,Luxami, V., Singh, P. and Kumar, S.,	An ESIPT based versatile fluorescent probe for bioimaging strong acidic conditions in Live-cells and E. coli.	New Journal of Chemistry	3.591	https://doi. org/10.103 9/D1NJ03 933D	2021
54.	Kaur, S., Samiksha, Kumar, A., Thakur,S.,Sharma,N., Pandit,K., Kaur,SJ. ,Sohal ,SK.	Therapeutic potential of Probiotics on Oxidative Stress and their role in Human Health	Bentham Briefs in Biomedicine and Pharmacotherapy Oxidative Stress and Natural Antioxidants Bentham Science Publishers	-	(pp:276-286) ISBN (Online): 978-981-4998-87-1	2021
55.	Kaur, S., Samiksha, Singh,D.,Kumar,A., Kaur,SJ. , Sohal ,SK.	Oxidative Stress and Biochemical approaches of Antioxidant Analysis	Bentham Briefs in Biomedicine and Pharmacotherapy Oxidative Stress and Natural Antioxidants Bentham Science Publishers	-	(pp:127-140) ISBN (Online): 978-981-4998-87-1	2021
56.	Pandit, K., Kumar, A., Kaur, S., Kumar, V., Jain, S.,	Amelioration of Oxidative Stress by Trans-anethole via Modulating Phase I and Phase	Environmental Science and	5.034	doi. 10.21203/r	2021

	Bhardwaj, R., & Kaur, SJ.	II Enzymes Against Hepatic Damage Induced by Ccl4 in Male Wistar Rats	Pollution Research		s.3.rs-316185/v1	
57.	Kaur, S., Sharma, N., Kumar, A., Samiksha., Verma, S., Kaur, SJ. , Sohal, SK., Thakur, S.	Salinity and its Effect on Yield of Field/Horticultural Crops	Environmental Stress Physiology of Plants and Crop Productivity, Bentham	-	ISBN (Online): 978-1-68108-790-0.	2021
58.	Kaur, S., Samiksha, Kaur, J., Thakur, S., Sharma, N., Pandit, K. Kumar, A., Verma, S., Sohal, SK., Kaur, SJ.	Reactive Oxygen Species Metabolism and Antioxidant Defense in Plants under Stress.,	Environmental Stress Physiology of Plants and Crop Productivity, Bentham	-	ISBN (Online): 978-1-68108-790-0.	2021
59.	Thakur, S., Pandit, K., Kumar, A., Kaur, J., Kaur, SJ. ,	Phenylpropanoid Biosynthesis and its Protective Effects against Plants Stress. Environmental Stress Physiology of Plants and Crop Productivity, Bentham, 2021. ISBN (Online): 978-1-68108-790-0.	Environmental Stress Physiology of Plants and Crop Productivity, Bentham	-	ISBN (Online): 978-1-68108-790-0.	2021
60.	Kaur, N., Arora, D. S., Kaur, S. , Kumar, A., Kaur, SJ	Antiproliferative and Oxidative Damage Protection Activities of Endophytic Fungi <i>Aspergillus fumigatus</i> and <i>Chaetomium globosum</i> from <i>Moringa oleifera</i> Lam	Applied Biochemistry and Biotechnology	2.926	doi: 10.1007/s12010-021-03625-6	2021
61.	Ahmad, M., Kumar, G., Luxami, V., Kaur, SJ. , Singh, P., & Kumar, S.	Fluorescence imaging of surface-versatile latent fingerprints at the second and third level using double ESIPT-based AIE fluorophore.	New Journal of Chemistry	3.591	45(17), 7705-7713. DOI https://doi.org/10.1039/D1NJ0	2021

					0678A	
62.	Singh A, Thakur S, Singh N, Kaur SJ and Jain SK	Novel Gellan Gum-Based <i>In situ</i> Nanovesicle Formulation of Docetaxel for Its Localized Delivery Using Depot Formation	AAPS PharmSciTech	2.451	22:165 DOI: 10.1208/s 12249- 021- 02033-7	2021
63.	Kamal, R., Kumar, R., Kumar, V., Bhardwaj, J.K., Saraf, P., Kumar, A., Pandit, K., Kaur, SJ. , Chetti, P. and Beura, S	Diacetoxyiodobenzene mediated regioselective synthesis and characterization of novel [1, 2, 4] triazolo [4, 3-a] pyrimidines: apoptosis inducer, antiproliferative activities and molecular docking studies.	Journal of Biomolecular Structure and Dynamics	3.549	1-17. DOI: 10.1080/0 7391102.2 020.17779 00	2020
64.	Aggarwal V, Sak K, Arora M, Iqbal A, Kumar A, Srivastava S, Pandey A, Kaur SJ , Tuli HS..	History of Oncotherapies in Cancer Biology	In Drug Targets in Cellular Processes of Cancer: From Nonclinical to Preclinical Models Springer , Singapore.	-	(pp. 1-13). Doi: 10.1007/9 78-981- 15-7586- 0_1.	2020
65.	Bansal, T., Kaur, H., Kaur, S., & Kaur, SJ.	Investigation of anticancer and antitubercular activity of some medicinal plants	Plant Archives	-	20(2), 2764- 2768.	2020
66.	Sandeep Kaur , Ajay Kumar , Sharad Thakur , Kapil Kumar , Ritika Sharma , Anket Sharma , Prabhpreet Singh , Upendra Sharma , Subodh Kumar , Marco Landi , Marián Brestic and Satwinderjeet Kaur	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from <i>Cassia fistula</i> L. Leaves	Antioxidant	5.014	DOI: 10.3390/a ntiox9020 173	2020

67.	Kaur P, Singh KJ, Yadav AK, Kaur S, Kaur R, Kaur SJ	Growth of bone like hydroxyapatite and cell viability studies on CeO ₂ Doped CaO-P ₂ O ₅ -MgO-SiO ₂ Bioceramics.	Materials Chemistry and Physics	4.904	243:122352 (DOI: 10.1016/j.matchemphys.2019.122352)	2020
68.	Singh R, Kesavan AK, Landi M, Kaur SJ , Thakur S, Zheng B, Bhardwaj R, Sharma A	5-aminolevulinic acid regulates Krebs cycle, antioxidative system and gene expression in <i>Brassica juncea</i> L. to confer tolerance against lead toxicity.	Journal of Biotechnology	3.503	10; 323:283-92 (DOI: 10.1016/j.jbiotec.2020.09.004)	2020
69.	Kumar A, Kaur S, Pandit K, Kaur V, Thakur S and Kaur SJ	<i>Onosma bracteata</i> Wall. induces G ₀ /G ₁ arrest and apoptosis in MG-63 human osteosarcoma cells via ROS generation and AKT/GSK3 β /cyclin E pathway	Environmental Science and Pollution Research	4.223	1-22 DOI: 10.1007/s11356-020-11466-9	2020
70.	Sandeep Kaur & Ajay Kumar & Kritika Pandit & Satwinderjeet Kaur	Modulation of mutagenicity in Salmonella typhimurium and antioxidant properties and antiproliferative effects of fractions from <i>Cassia fistula</i> L. on human cervical HeLa and breast MCF-7 cancer cells	Environmental Science and Pollution Research	4.223	1& 1-9 DOI: 10.1007/s11356-020-10771-7	2020
71.	Amrinder Singh, Shubham Thakur, Harmanpreet Singh, Harjeet Singh, Sandeep Kaur, Satwinderjeet Kaur , Rajesh Dudi, Dilip Manikrao Mondhe & Subheet Kumar Jain	Novel Vitamin E TPGS based docetaxel nanovesicle formulation for its safe and effective parenteral delivery: Toxicological, Pharmacokinetic and Pharmacodynamic evaluation.	Journal of Liposome Research	3.648	1& 1-38 DOI: 10.1080/08982104.2020.1835955	2020

72.	Singh, B., Kumar, A., Singha, H., Kaura, S., Kaur, SJ. , Buttar, HS., Arora, S Singh, B	Zingerone produces antidiabetic effects and attenuates diabetic nephropathy by reducing oxidative stress and overexpression of NF-κB, TNF-α, and COX-2 proteins in rats	Journal of Functional Foods	4.451	72; 1-10; doi: 10.1016/j.jff.2020.104199	2020
73.	Kumar, A., Kaur, V., Pandit, K., Tuli, H. S., Sak, K., Jain, S. K., & Kaur, SJ.	Antioxidant Phytoconstituents from <i>Onosma bracteata</i> Wall. (Boraginaceae) Ameliorate the CCl ₄ Induced Hepatic Damage: In Vivo Study in Male Wistar Rats.	Front. Pharmacol	5.810	11; 1-18; doi: 10.3389/fphar.2020.01301	2020
74.	Pandit, K, Kaur, S, Kumar, A, Bhardwaj R & Kaur SJ	trans-Anethole Abrogates Cell Proliferation and Induces Apoptosis through the Mitochondrial-Mediated Pathway in Human Osteosarcoma Cells	Nutrition and Cancer	2.9	1-19, doi: 10.1080/01635581.2020.1803927	2020
75.	Thakur, S., Singh, H.,Singh, A., Kaur, S. , Sharma, A., Singh, SK., Kaur, SJ. , Kaur, G., Jain SK	Thermosensitive injectable hydrogel containing carboplatin loaded nanoparticles: A dual approach for sustained and localized delivery with improved safety and therapeutic efficacy	Journal of Drug Delivery Science and Technology	3.981	58:1-13 Doi: 10.1016/j.jddst.2020.101817	2020
76.	Sharma P, Kaur S, Kaur SJ , Singh P	Near-IR oxime-based solvatochromic perylenediimide probe as chemosensor for Pd species and Cu ²⁺ ions in water and live cells.	Photochemical & Photobiological Sciences: Royal Society of Chemistry	3.982	DOI https://doi.org/10.1039/C9PP00487D	2020
77.	Kaur S, Pandit K, Chandel M, Kaur SJ	Antiproliferative and apoptogenic effects of <i>Cassia fistula</i> L. n-hexane fraction against human cervical cancer (HeLa) cells	Environmental Science and Pollution Research	4.223	DOI: 10.1007/s11356-020-08916-9	2020

78.	Kaur, S., Kumar, A., Thakur, S., Kumar, K., Sharma, R., Sharma, A., Singh, P., Sharma U, Kumar, S., Landi, M Brestič M and Kaur SJ	Antioxidant, Antiproliferative and Apoptosis-Inducing Efficacy of Fractions from <i>Cassia fistula</i> L. Leaves	Antioxidant	6.312	9 (2), 1-31 DOI: 10.3390/a ntiox9020 173	2020
79.	Singh, P., Kumar, K., Kaur, N., Kaur, S. and Kaur, SJ.	Perylenediimide dye threaded with dual-react able sites for detection of H ₂ S and Hg ²⁺ : Diagnostic kit and cell imaging	Dyes and Pigments	4.889	180, 1-24 DOI: 10.1016/j. dyepig.20 20.108448	2020
80.	Kumar, K., Kaur, S., Kaur, S.J. Bhargava, G., Kumar, S., Singh P	A multifunctional perylenediimide-based dual-analytechemodosimeter for specific and rapid detection of H ₂ S and Pd0 in water, biofluids, live cells and solid state	J. Photochem. Photobiol. A Chem	4.291	388, 1-10 DOI: 10.1016/j.j photoche m.2019.11 2189	2020
81.	Kapil Kumar, Sandeep Kaur, Kaur, SJ . , Gaurav Bhargava, Subodh Kumar and Prabhpreet Singh	Self-assembled nanofibers of perylenediimide for detection of hypochlorite in water, bio-fluids and solid state: Exogenous and endogenous bioimaging of hypochlorite in cells	Journal of Materials Chemistry B	6.331	8, 125-135 DOI:10.10 39/C9TB0 1902B	2020
82.	Kapil Kumar, Sandeep Kaur, Kaur,SJ Gaurav Bhargava, Subodh Kumar and Prabhpreet Singh	Perylenediimide–Cu ²⁺ based fluorescent nanoparticles for the detection of spermine in clinical and food samples: a step toward the development of a diagnostic kit as a POCT tool for spermine	Journal of Materials Chemistry B	6.331	7(45), 7218-7227 DOI: 10.1039/C 9TB02039 J	2019
83.	Dipakshisharma, Saraswatisaini, Dinesh kumar, Inderpreetkaur and Satwinderjeet kaur	Assessment of sorption potential of paddy straw biochar for lead (pb ²⁺) removal from wastewater	Pollution Research	-	98-108	2019
84.	Kaur S, Kumar M, Pandit K, Kumar A, Kaur SJ.	Potential health benefits of nutraceuticals for human health.	Evaluation of Environmental	-	Jun 10:193.	2019

			Contaminants and Natural Products: A Human Health Perspective.		Doi: 10.2174/9789811410963119010012	
85.	Sharma,P,Kumar,K, Kaur, S, Kaur,SJ Bhargava, G, Kumar, S Singh P	Near-IR discriminative detection of H ₂ S and Cysteine with 7-nitro-2,1,3-benzoxadiazole-perylenediimide conjugate in water, live cells and solid state: Mimicking IMP, INH and NOR/OR complimentary logic	J. Photochem. Photobiol. A Chem	3.306	388,1-10 DOI: 10.1016/j.jphotochem.2019.11.2151	2019
86.	Kapoor, D, Singh, MP, Kaur, SJ , Bhardwaj ,R,Zheng, B, and Sharma, A	Modulation of the Functional Components of Growth, Photosynthesis, and Anti-Oxidant Stress Markers in Cadmium Exposed <i>Brassica juncea</i> L.	Plant	3.935	8:8 DOI: 10.3390/plants8080260	2019
87.	Harsimran Kaur, Sandeep Kaur, Sandeep Kaur, Satwinderjeet Kaur , Paramjeet Kaur	Role of Phytoconstituents in Modulating Xenobiotic Metabolism	Evaluation of Environmental Contaminants and Natural Products: A Human Health Perspective : Bentham Science	-	978-981-14-1095-6	2019
88.	Sandeep Kaur, Manish Kumar, Kritika Pandit, Ajay Kumar and Satwinderjeet Kaur	Potential Health Benefits of Nutraceuticals for Human Health	Evaluation of Environmental Contaminants and Natural Products: A Human Health Perspective : Bentham Science	-	978-981-14-1095-6	2019

89.	Manish Kumar, Sandeep Kaur, Varinder Kaur and Satwinderjeet Kaur	Caspases and Phytochemicals: An Important Link in Cancer Chemoprevention	Evaluation of Environmental Contaminants and Natural Products: A Human Health Perspective : Bentham Science	-	978-981-14-1095-6	2019
90.	Sandeep Kaur, Paramjeet Kaur, Varinder Kaur, Harsimran Kaur, Manish Kumar, Kritika Pandit, Ajay Kumar and Satwinderjeet Kaur	Unravelling the Role of Chemopreventive Agents as Modulators of Carcinogenesis	Pollutants and Protectants : Evaluation and Assessment Techniques	-		2019
91.	Kaur S, Sharma D, Singh AP, Kaur SJ	Amelioration of hepatic function, oxidative stress, and histopathologic damages by <i>Cassia fistula</i> L. fraction in thioacetamide-induced liver toxicity	Environmental Science and Pollution Research	4.223	1-16 DOI: 10.1007/s11356-019-06158-y	2019
92.	Kaur; P, Singh, KJ, Kaur; S, KaurSJ , Singh AP	Sol-Gel Derived Strontium-Doped SiO-CaO-MgO-PO Bioceramics for Faster Growth of Bone Like Hydroxyapatite and Their In Vitro Study for Orthopedic Applications	Materials Chemistry and Physics	4.094	1,1-30 DOI: 10.1016/j.matchemphys.2020.122763	2019
93.	Sharma, N Sharma, A Bhatia, G, Landi, M, Brestic, M, Singh, B, Singh, J, Kaur SJ and Bhardwaj R	Isolation of Phytochemicals from <i>Bauhinia variegata</i> L. Bark and Their In Vitro Antioxidant and Cytotoxic Potential	Antioxidant	6.312	1-19 DOI: 10.3390/antiox8100492	2019
94.	Sharma, P., Gupta, N., Kaur, S., Kaur, S. , Ohri, P., Parihar, R.D., Bhalla, V. and Kumar, M.,	Imaging of lysosomal activity using naphthalimide-benzimidazole based fluorescent probe in living cells	Sensors Actuators B:Chem	7.460	286:451–459 DOI: 10.1016/j.snb.2019.0	2019

					1.134	
95.	Singh P , Mittal, LS., Kaur S,Kaur SJ,Bhargava G,Kumar S.	Self-assembled small molecule based fluorescent detection of serum albumin proteins: Clinical detection and cell imaging	Sensors Actuators B:Chem	7.460	255:478-489 DOI: 10.1016/j.snb.2017.08.072	2017
96.	Kapoor D, Bhat AA, Bhardwaj R, Kaur SJ , Anand R.	Differential biochemical responses of <i>Brassica juncea</i> to cadmium stress: Antioxidative defence system, photosynthesis and polyphenol synthesis	Pollution Research	0.22	37: 135-144	2018
97.	Kaur V, Kumar M, Kumar A, Kaur S	<i>Butea monosperma</i> (Lam.) Taub. Bark fractions protect against free radicals and induce apoptosis in MCF-7 breast cancer cells via cell-cycle arrest and ROS-mediated pathway	Drug and Chemical Toxicology	2.32		2018
98.	Kaur V, Kumar M, Kumar A, Kaur K, Dhillon VS, Kaur SJ.	Pharmacotherapeutic potential of phytochemical: Implication in cancer chemoprevention and future perspectives	Biomedicine & Pharmacotherap y	6.529	97:564-586 DOI: 10.1016/j.biopha.2017.10.124	2017
99.	Kaur P, Kumar M, Singh AP, KaurSJ.	Ethyl acetate fraction of <i>Pteris vittata</i> L. alleviates 2-acetylaminofluorene induced hepatic alterations in male Wistar rats	Biomedicine & Pharmacotherap y	6.529	88 : 1080–1089; DOI: 10.1016/j.biopha.2017.01.111	2017

100.	S. Nagini and SJ. Kaur	Proteases in Human Diseases. Caspases: Moonlighting Proteins with Theranostic Potential	Proteases in Human Diseases	-	978-981-10-3161-8	2017
101.	Kaur V, Kumar M, Kaur P, Kaur S, Singh AP, Kaur SJ.	Hepatoprotective activity of <i>Butea monosperma</i> bark against thioacetamide-induced liver injury in rats.	Biomedicine & Pharmacotherapy	6.529	89: 332-341 DOI: 10.1016/j.biopha.2017.01.165	2017
102.	Kaur V, Kumar M, Kaur P, Kaur S, Kaur SJ.	Inhibitory activities of n-butanol fraction from <i>Butea monosperma</i> (Lam.) Taub. bark against free radicals, genotoxins and cancer cells.	Chemistry & Biodiversity	2.408	14:1-15 DOI: 10.1002/cbdv.201600484	2017
103.	Kumar, M Kaur, P, Chandel, M, Singh, AP Jain, A and Kaur SJ*	Antioxidant and hepatoprotective potential of <i>Lawsonia inermis</i> L. leaves against 2-acetylaminofluorene induced hepatic damage in male Wistar rats	BMC Complement Altern Med.	3.767	DOI: 10.1186/s12906-017-1567-9	2017
104.	Chandel M, Kumar M, Sharma U, Singh B, Kaur S.	Antioxidant, Antigenotoxic and Cytotoxic Activity of <i>Anthocephalus cadamba</i> (Roxb.) Miq. Bark Fractions and their Phytochemical Analysis Using UPLC-ESI-QTOF-MS	Comb Chem High Throughput Screen	1.024	20 June	2017
105.	Bala M, Kumar M, Chandel M, Sharma N Kaur S Kaur S.J	Antioxidant, antimutagenic and cytotoxic effects of unripe fruits of <i>anthocephalus cadamba</i> (ROXB.) miq.	Indian Drugs	0.14	Vol. 54 pg 7-15	2017
106.	Kumar M., Chandel M., Kaur P., Pandit K., Kaur V., Kaur S., Kaur SJ	Chemical composition and inhibitory effects of water extract of Henna leaves on reactive oxygen species, DNA scission and proliferation of cancer cells	EXCLI Journal	4.068	15:842-857 DOI: 10.17179/	2016

					excli2016-429	
107.	Chandel M., Kumar M., Sharma U., Singh B., Kaur SJ	Investigations on antioxidant, antiproliferative and COX-2 inhibitory potential of alkaloids from <i>Anthocephalus cadamba</i> (Roxb.) Miq. leaves	Chemistry and biodiversity	2.408	14:1-10 DOI: 10.1002/c bdv.20160 0376	2016
108.	Chandel M., Kumar M., Sharma U., Kumar N., Singh B., Kaur SJ	Isolation and characterization of flavanols from <i>Anthocephalus cadamba</i> and evaluation of their antioxidant, antigenotoxic, cytotoxic and COX-2 inhibitory activities	Revista Brasileira de Farmacognosia	2.010	26: 474– 483 DOI: 10.1016/j. bjp.2016.0 2.007	2016
109.	Kaur S., Kumar M., Kaur P., Kaur V., Kaur SJ.	Modulatory effects of <i>Cassia fistula</i> fruits against free radicals and genotoxicity of mutagens	Food and Chemical Toxicology	6.023	98: 220- 231 DOI: 10.1016/j.f ct.2016.10 .027	2016
110.	71. Kapoor, D., Rattan, A., Bhardwaj, R., Kaur, S.J	Alternation in the level of osmoprotectants and antioxidant analysis by confocal microscopy in <i>Brassica juncea</i> subjected to metal stress	International Journal of Pharmaceutical Sciences Review and Research	0.65	154-167	2016
111.	Kapoor, D., Rattan, A., Bhardwaj, R., Kaur, S.J, Gupta, A. and Manoj	Antioxidative defence responses and activation of phenolic compounds in <i>Brassica juncea</i> plants exposed to cadmium stress.	International Journal of Green Pharmacy.	5.2	10.22377/I JGP.V10I 04.760	2016
112.	Kapoor D, Rattan A, Bhardwaj R, Kaur, S, Gupta A, Manoj	Biochemical and physiological responses in in vitro germinated seedlings of <i>Brassica juncea</i> exposed to metal stress	International Journal of Green Pharmacy	0.68	https://doi. org/10.223 77/ijgp.v1 0i3.702	2016
113.	Kapoor D, Rattan A, Kaur S, Bhardwaj R	Influence of cadmium on antioxidative defence system,	International Journal of	0.75	10.22159/i jpps.2016	2016

		photosynthesis, level of osmolytes and ions uptake in <i>Brassica juncea</i>	Pharmacy and Pharmaceutical Sciences		v8i10.139 22	
114.	Kapoor D., Rattan A., Bhardwaj R., Kaur SJ	Cd-Metal Stress Protection in <i>B. juncea</i> triggered by the Synthesis of Osmolytes	Studies in Natural Products Chemistry	0.83	10.5958/0974-360X.2016.00274.2	2016
115.	Kapoor D., Rattan A., Bhardwaj R., Kaur SJ.	Modulation of Cd-induced Oxidative Stress in <i>Brassica juncea</i> Plants involves Elemental Analysis, Osmolytes, Photosynthesis and Antioxidative Defence System	Journal of Chemical and Pharmaceutical Research		8(6):318-324	2016
116.	Kapoor D., Rattan A., Bhardwaj R., Kaur SJ	Photosynthetic efficiency, ion analysis and carbohydrate metabolism in <i>Brassica juncea</i> Plants under cadmium stress	Journal of Pharmacognosy and Phytochemistry	5.52	5(3): 279-286	2016
117.	S. Kaur, M. Kumar, S.J Kaur	Role of Phytochemicals in MAPK Signaling Pathway-Mediated Apoptosis: A Possible Strategy in Cancer Chemoprevention, in: Atta-ur-Rahman (Ed.)	Studies in Natural Products Chemistry	1.1	50: 159–178	2016
118.	Kumar M, Kaur V, Kumar S, Kaur SJ	Phytoconstituents as Apoptosis Inducing Agents: Strategy to Combat Cancer	Cytotechnology	2.058	68:531–563. DOI: 10.1007/s10616-015-9897-2	2016
119.	Handa N., Bhardwaj R., Kaur, H., Poonam, Kapoor D., Rattan A., Kaur S., Kaur SJ. (2015). Arora S., Kapoor N.	Selenium: An Antioxidative Protectant in Plants Under Stress. Plant Metal Interaction., Emerging Remediation Techniques	In Plant Metal Interaction (Elsevier)	-	179-208	2015

120.	Kumar M, Kaur P, Kumar S, Kaur SJ	Antiproliferative and Apoptosis Inducing Effects of Non-Polar Fractions from <i>Lawsonia inermis</i> L. in Cervical (HeLa) Cancer Cells	Physiol Mol Biol Plants	3.08	21(2):249–260 DOI: 10.1007/s12298-015-0285-3	2015
121.	Singh CK, Kaur SJ , George J, Nihal M, Hahn MCP, Scarlett CO, Ahmed N.	Molecular signatures of sanguinarine in human pancreatic cancer cells: A large scale label-free comparative proteomics approach	Oncotarget	5.168	6(12):10335-48 DOI: 10.18632/oncotarget.3231	2015
122.	Kaur P, Kaur V, Kaur SJ.	DNA Topoisomerase II: Promising Target for Anticancer Drugs. V. Gandhi et al. (eds.)	Multi-Targeted Approach to Treatment of Cancer Springers	-	323-338 DOI: 10.1021/bi0021838	2015
123.	Sharma R., Bhardwaj R, Kapoor D, Sonia, Rattan A, Kumar V, Sharma A, Thukral AK, Kaur SJ , Arora N.	Oxidative stress management through sugar signaling and antioxidant network in plants. Photosynthesis: Functional Genomics	Physiological Processes and Environmental Issues Nova Science Publishers	-	185-210	2014
124.	Chandel Madhu, Sharma U. Kumar, Neeraj; Kumar Bikram and Kaur, SJ	In Vitro Studies on the Antioxidant/Antigenotoxic Potential of Aqueous Fraction from <i>Anthocephalus cadamba</i> Bark.	Perspectives in Cancer Prevention-Translational Cancer Research.	-	978-81-322-1533-2	2014
125.	Kaur P, Kaur V, Kumar M, Kaur SJ.	Suppression of SOS response in E. coli PQ 37, antioxidant potential and antiproliferative action of methanolic	Food and Chemical Toxicology	6.023	74 (2014) 1–8 DOI: 10.1016/j.f	2014

		extract of <i>Pteris vittata</i> L. on human MCF-7 breast cancer cells.			ct.2014.10 .002	
126.	Kapoor D, Kaur SJ , Bhardwaj R	Physiological and Biochemical Changes in <i>Brassica juncea</i> Plants under Cd-Induced Stress.	BioMed Research International	3.411	DOI:10.1155/2014/726070	2014
127.	Kaur P, Sharma, N., Kumar M, Kaur SJ.	Changes in growth and antioxidative enzyme activities in <i>Vicia faba</i> L. seedlings under chromium stress	Indian Journal of Plant Physiology	3.013	19(2):101-106	2014
128.	Sharma, N, Bhardwaj R, Singh B, Kaur SJ	Essential oil composition of <i>Bauhinia variegata</i> L. flowers	World Journal of Pharmacy and Pharmaceutical Sciences	7.632	2(5):3604-3611	2013
129.	Kumar M, Kumar S, Kaur SJ	Identification of polyphenols in leaf extracts of <i>Lawsonia inermis</i> L. with antioxidant, antigenotoxic and antiproliferative potential	Int J Green Pharm	2.142	8:23-36	2014
130.	Kaur Prabhjit, Sharma Neeraj, Kumar Bikram, Kumar Subodh, Kaur SJ.	Modulation of Genotoxicity by glycyrrhizic acid from <i>Glycyrrhiza glabra</i>	Pharmacognosy Research	-	4 (4): 189-195 DOI: 10.4103/0974-8490.102260	2012
131.	Chandel, Madhu, Sharma, Upender; Kumar, Bikram and Kaur, SJ	Antioxidant activity and identification of bioactive compounds from leaves of <i>Anthocephalus cadamba</i> by ultra-performance liquid chromatography/electrospray ionization quadrupole time of flight mass spectrometry	Asian Pacific Journal of Tropical Medicine	1.226	5(12):977-85 DOI: 10.1016/S1995-7645(12)60186-2	2012
132.	Kumar, Manish, Chandel, Madhu; Kumar, Subodh and Kaur, SJ	Amelioration of oxidative stress by anthraquinones in various in vitro assays	Asian Pacific Journal of Tropical	1.226	692-698 DOI: 10.1016/S	2012

			Disease		2222-1808(12)60245-X	
133.	Kumar, Manish, Chandel, Madhu and Kaur, SJ	Role of ROS and COX-2/iNOS inhibition in cancer chemoprevention: a review	Phytochemistry Reviews	5.374	11: 309-337 DOI: 10.1007/s11101-012-9265-1	2012
134.	Kumar, Manish; Chandel, Madhu; Sharma, Neha, Kumar Subodh and Kaur, SJ	Efficacy of Golden rain tree against free radicals and H₂O₂-induced damage to pUC18/calf thymus DNA	Asian Pacific Journal of Tropical Biomedicine	1.545	781-787 DOI: 10.1016/S2221-1691(12)60313-X	2012
135.	Kaur, Prabhjit, Kumar, Manish, Singh, Bikram, Kumar, Subodh and Kaur, SJ	Amelioration of oxidative stress induced by oxidative mutagens and COX-2 inhibitory activity of umbelliferone isolated from <i>Glycyrrhiza glabra</i> L.’	Asian Pacific Journal of Tropical Biomedicine	1.545	120-126 DOI: 10.1016/S2221-1691(12)60141-5	2012
136.	Sharma Arti, Kumar, Manish, Chandel, Madhu and Kaur, SJ	Modulation of chromium trioxide induced genotoxicity by methanol extract of leaves of <i>Trigonella foenum-graecum</i> L.	Journal of Experimental and Integrative Medicine	0.121	2:77-83 DOI: 10.5455/JEIM.261111.OR.017	2012
137.	ChandelMadhu, Kumar, Manish, Kumar, Subodh and Kaur, SJ	Inhibition of 2-aminofluorene and 4-nitro-o-phenylenediamine mutagenicity by natural food colorant plant <i>Rubiacordifolia</i> L.	International Journal of Pharmacy and Pharmacology	3.765	4:236-237	2012
138.	Sharma Neha, Bhardwaj, Renu, Kumar, Subodh and Kaur, SJ	Evaluation of <i>Bauhinia variegata</i> L. bark fractions for in vitro antioxidant potential and protective effect againstH ₂ O ₂ -induced	African Journal of Pharmacy and	0.5	5:1494-1500 DOI:	2011

		oxidative damage to pBR322 DNA	Pharmacology		https://doi.org/10.5897/AJPP11.457	
139.	ChandelMadhu, Kaur, SJ and Kumar, Subodh	Studies on the genoprotective/antioxidant potential of methanol extract of (Roxb.) Miq	Journal of Medicinal Plants Research	0.879	5:4764-4770	2011
140.	Kumar, Manish, Chandel, Madhu Kumar, Subodh and Kaur, SJ	Protective effects of <i>Koelreuteria paniculata</i> Laxm. on oxidative stress and hydrogen peroxide-induced DNA damage	Phytopharmacology	1.02	1:177-189	2011
141.	Kumar, Manish and Kaur, SJ	Golden rain tree leaf extracts as potential inhibitor of lipid peroxidation and 4-nitroquinoline-1-oxide (4-NQO)-induced DNA damage'	African Journal of Biotechnology	0.5	10: 19758-19763	2011
142.	Gill Tejpal, Kumar, Manish Kumar Subodh and Kaur, SJ	DNA protective effects of extracts/fractions from <i>Centella asiatica</i> (L.) Urban in single cell gel electrophoresis assay	Spatula DD	-	1: 207-212 DOI: 10.5455/spatula.20111206115727	2011
143.	Sharma Arti, Kumar, Manish and Kaur, SJ	Modulatory effects of <i>Syzygium aromaticum</i> (L.) Merr. & Perry and Cinnamomumtamala Nees&Ebrem. on the toxicity induced by chromium trioxide	Phytopharmacology	0.3	1(4):1-11	2011
144.	Sharma Arti, Kumar, Manish and Kaur, SJ	<i>Cuminum cyminum</i> Linn. and <i>Coriandrum sativum</i> Linn. extracts modulate Chromium genotoxicity in <i>Allium cepa</i> chromosomal aberration assay	The Nucleus	3.45	54(2):99-105DOI: https://doi.org/10.1007/s13237-011-0032-2	2011
145.	Kumar, Manish, Kumar Subodh and Kaur, SJ	Investigations on DNA protective and antioxidant potential of chloroform and	African Journal of Pharmacy	0.5	5(3):421-427	2011

		ethyl acetate fractions of <i>Koelreuteria paniculata</i> Laxm	and Pharmacology			
146.	Sondhi, Nishi, Bhardwaj, Renu; Kaur, SJ ; Chandel Madhu; Kumar Neeraj and Kumar Subodh	Inhibition of H ₂ O ₂ -induced DNA damage in single cell gel electrophoresis assay (comet assay) by castasterone isolated from leaves of <i>Centella asiatica</i>	Health,	3.132	https://doi.org/10.5897/AJPP11.101	2010
147.	Kaur, SJ , Kumar Subodh; Kaur Prabhjit; Singh Bikram and Chandel Madhu	Study of Antimutagenic potential of phytoconstituents isolated from <i>Terminalia arjuna</i> in the Salmonella/Microsome Assay	American journal of Biomedical Sciences	-	2(2):164-177 DOI: 10.5099/aj100200164	2010
148.	Kaur, Prabhji,; Kaur, SJ ; Singh Bikram and Kumar Subodh	<i>Rubia cordifolia</i> L. and <i>Glycyrrhiza glabra</i> L. medicinal plants as potential source of COX-2 inhibitors	American journal of Biomedical Sciences	-	2(2):108-120	2010
149.	Kaur, Prabhjit, Chandel, Madhu; Kumar Subodh; Kumar Neeraj; Singh Bikram and Kaur, SJ	Modulatory role of alizarin from <i>Rubia cordifolia</i> L. against genotoxicity of mutagens	Food and Chemical Toxicology	6.023	48(1):320-325 DOI: 10.1016/j.fct.2009.10.019	2010
150.	Kaur, Prabhjit, Walia, Aman and Kaur, SJ	Antigenotoxic activity of polyphenolic rich extracts from <i>Aegle marmelos</i> (L.) Correa. In human blood lymphocytes and E.coli PQ37	Records of Natural Products	1.951	3(1):8-75	2009
151.	Singh, Palwinder; Kaur, J; Kaur, Prabhjit and Kaur, SJ	Search for MDR modulators: Design, syntheses and evaluations of N-substituted acridones for interactions with p-glycoprotein and Mg ²⁺	Bioorganic & Medicinal Chemistry	3.641	17(6):2423-2427 DOI: https://doi.org/10.1016/j.bmc.2009.02.002	2009
152.	Kaur, Prabhjit; Kaur, SJ ; Kumar, Neeraj; Singh, Bikram	Evaluation of antigenotoxic activity of isoliquiritinapioside from <i>Glycyrrhiza</i>	Toxicology in Vitro	3.5	23:680-686 DOI:	2009

	and Kumar, Subodh	<i>glabra</i> L.			10.1016/j.tiv.2009.01.019	
153.	Singh, Palwinder, Bhardwaj, A., Kaur, SJ and Kumar, Subodh	Design, synthesis and evaluation of tetrahydropyran based COX-1/-2 inhibitors	European Journal of Medicinal Chemistry	6.541	44(3):1278-1287 DOI: 10.1016/j.ejmech.2008.08.008	2009
154.	Singh, Palwinder, Mittal, Anu, Bhardwaj, A., Kaur, SJ and Kumar, Subodh	1-Toluene-sulfonyl-3-[(3'-hydroxy-5'-substituted)- γ -butyrolactone]-indoles: Synthesis, COX-2 inhibition and anti-cancer activities	Bioorganic & Medicinal Chemistry Letters	2.823	18(1):85-89 DOI:10.1016/j.bmcl.2007.11.010	2008
155.	Singh, Palwinder, Mittal, Anu, Kaur, SJ and Kumar, Subodh	2,3,5-Substituted tetrahydrofuran: COX-2 inhibitory activities of 5-hydroxymethyl-/carboxyl-2,3-diaryl-tetrahydro-furan-3-ols	European Journal of Medicinal Chemistry	6.541	43(12):2792-2799 DOI: 10.1016/j.ejmech.2007.12.017	2008
156.	Singh, Palwinder, Mittal, Anu, Kaur, SJ , Holzer, W. and Kumar, Subodh	2,3- Diaryl-5-ethylsulfanylmethyltetrahydrofurans as new class of COX-2 inhibitors and cytotoxic agents'	Organic and Biomolecular Chemistry	3.876	6:2706-2712 DOI: 10.1039/B803608J	2008
157.	Kaur, Prabhjit, Singh, Bikram, Kumar, Subodh and Kaur, SJ	In vitro evaluation of free radical scavenging activity of <i>Rubia cordifolia</i> L.	Journal of Chinese Clinical Medicine	0.05	3:278-284 DOI: 10.1016/S1995-7645(13)60021-8	2008
158.	Sondhi, Nishi, Bhardwaj, Renu, Kaur, SJ , Singh, Bikram and	Isolation of 24-epibrassinolide from leaves of <i>Aegle marmelos</i> and evaluation of its	Plant Growth Regulation	4.169	54:217-224 DOI:	2008

	Kumar, Neeraj	antigenotoxicity potential employing <i>Allium cepa</i> chromosomal aberration assay			10.1007/s10725-007-9242-7	
159.	Singh, Palwinder, Kaur, Prabhjit, Luxami, Vijaya, Kaur, SJ and Kumar, Subodh	Synthesis and anti-cancer activities of 2-[1(indol-3-yl-/pyrimidin-5-yl-/pyridine-2-yl-/quinolin-2-yl)-but-3-enylamino]-2-phenyl-ethanols	Bioorganic & Medicinal Chemistry	3.641	15:2386-2395 DOI: 10.1016/j.bmc.2007.01.018	2007
160.	Singh, Palwinder, Mittal, Anu, Kaur, SJ and Kumar, Subodh	5-Substituted-2,3-diphenyltetrahydrofurans: A new class of moderately selective COX-2 inhibitors	Bioorganic & Medicinal Chemistry	3.641	14:7910-7916 DOI: 10.1016/j.bmc.2006.07.044	2006
161.	Saleem, Mohammad, Kaur, SJ , Kweon, Mee-Hyang, Adhami, Vaqar Mustafa, Afaq, Farrukh, and Mukhtar, Hasan	Lupeol, a fruit and vegetable-based triterpene, induces apoptotic death of human pancreatic adenocarcinoma cells via inhibition of Ras signaling pathway	Carcinogenesis	4.944	26(11):1956-1964 DOI: 10.1093/carcin/bgi157	2005
162.	Kaur SJ.	Antimutagenic effect of Ayurvedic therapies', In: Scientific basis of Ayurvedic Therapies	Lakshmi Mishra (Ed.) CRC Press, New York	-	255-271 DOI: 10.1201/9780203498583.ch15	2004
163.	Kaur, Sawayamjot, Arora, Saroj, Kaur, SJ and Kumar, Subodh	Bioassay-guided isolation of antimutagenic factors from fruits of <i>Terminalia bellerica</i>	Journal of environmental pathology, toxicology and oncology	1.9	22(1):69-76 DOI: 10.1615/JEnvPathToxOncol.v22.i1.70	2005
164.	Nagpal, Avinash, Rani, Geeta, Kaur, SJ , Arora, Saroj and	Genotoxic effects of two azo dyes in <i>Allium cepa</i> '	Journal of Cytology and	0.452	3:197-200	2002

	Cheema,G		Genetics			
165.	Pasquini R, Scassellati-Sforzolini G, Villarini M, Moretti M, Marcarelli M, Fatigoni C, Kaur, SJ , Kumar, Subodh and Grover Iqbal Singh	In vitro protective effects of <i>Terminalia arjuna</i> bark extracts against the 4-nitroquinoline-N-oxide genotoxicity	Journal of environmental pathology, toxicology and oncology	2.172	21(1):33-44 DOI: 10.1615/jenvironpatholtoxicolocol.v21.i1.20	2002
166.	Kaur, SJ and S. Kumar	Isolation of some secondary plant metabolites from <i>Terminalia arjuna</i>	EMSI Newsletter	0.1	24: 6-7	2001
167.	Kaur, SJ , Grover, Iqbal Singh and Kumar, Subodh	Antimutagenic potential of extracts isolated from <i>Terminalia arjuna</i>	Journal of environmental pathology, toxicology and Oncology	0.585	20:9-14 DOI: 10.1615/jenvironpatholtoxicolocol.v20.i1.20	2001
168.	Nagpal,A, Meena, LS, Kaur, SJ , Grover, IS, Wadhwa, R, and Kaul, SC	Growth suppression of human transformed cells by treatment with bark extracts from a medicinal plant, <i>Terminalia arjuna</i>	In vitro Cellular and Developmental Biology	1.814	36:544-547 DOI: 10.1290/1071-2690(2000)036<0544:gsohtc>2.0.co;2	2000
169.	Nagpal, A., I.S. Grover, I.S., S. Arora, SJ Kaur and H. Kaur	Anticlastogenic effects of acidic methanol fraction of <i>Terminalia arjuna</i> Roxb. in root tip cells of <i>Allium cepa</i> L.', In: Environmental Protection (Eds. A.K. Thukral and G.S. Virk).	Scientific Publishers (India), Jodhpur	-	275-282	2000
170.	Kaur, SJ and I.S. Grover	Flavonoids as chemopreventers', In:	Scientific	-	80-85	2000

		Environmental Protection(A.K. Thukral and G.S.Virk, Eds.)	Publishers, Jodhpur			
171.	Kaur, SJ , Grover, IS and Kumar S	Modulatory effect of tannin fraction isolated from <i>Terminalia arjuna</i> on the genotoxicity of mutagens in Salmonella typhimurium	Food and Chemical Toxicology	6.023	38:1113-1119 DOI: 10.1016/s0278-6915(00)00104-6	2000
172.	I.S. Grover, A. Nagpal, S. Arora, SJ. Kaur and A. Sharma	Antimutagenic effect of ether extract of <i>Terminalia arjuna</i> in Ames assay', In: Environmental Protection (Eds. A.K. Thukral and G.S. Virk).	Scientific Publishers, Jodhpur	-	263-267	2000
173.	Arora, S., Grover, I.S., Nagpal, A, Kaur, SJ and Kaur, H	Antimutagenic effects of acetone extract of <i>Terminalia arjuna</i> Roxb. on fenvalerate-induced chromosomal aberrations in root tip cells of <i>Allium cepa</i> L.', In: Environmental Protection (Eds. A.K. Thukral and G.S. Virk).	Scientific Publishers, Jodhpur	-	268-274	2000
174.	Scassellati-Sforzolini , G. Villarini, M., Moretti, M, Marcarelli, M., Pasquini, R., Fatigoni, C., Kaur, SJ and Grover, I.S.	Antigenotoxic properties of <i>Terminalia arjuna</i> bark extracts	Journal of environmental pathology, toxicology and oncology	1.9	18:119-125	1999
175.	Nagpal, A., I.S. Grover, S. Arora, Kaur,SJ and S.K. Gill	Genotoxic effects of an azo dye, Acid Red 3BN Supra, in <i>Allium cepa</i> L.	In: Proceedings of National Conference on Health Care and Development of Medicinal plants. (Eds.	-	121-127	1999

			Sunil Puri and Ajeet J. Williams) Baba Printers, Raipur.			
176.	Grover, Iqbal Singh and Kaur, SJ	Genotoxicity of waste water samples from sewage and industrial effluents detected by <i>Allium</i> root anaphase aberration and micronucleus assays	Mutation Research	5.803	426:183-188 DOI” 10.1016/s 0027- 5107(99)0 0065-2	1999
177.	Kaur, Simran, Grover, Iqbal Singh, Singh, Majar and Kaur, SJ	Antimutagenicity of hydrolysable tannins from <i>Terminalia chebula</i> in Salmonella typhimurium	Mutation Research	5.803	419:169-179 DOI: 10.1016/s 1383- 5718(98)0 0130-2	1998
178.	Grover, I.S., Kaur, S.J. , Bala S and Kumar S	Natural antimutagens’, In: Perspectives in Cytology and Genetics (Eds. G.K. Manna and S.C. Roy).	AICCG Publishers, KalyaniUnivers ity, Kalyani	-	125-137	1998
179.	Bala, S, Kaur SJ and Grover, IS.	Studies on antimutagenicity of medicinal and edible plants’, In: Environment and Development (Eds. I.S. Grover and A.K. Thukral).	Scientific Publishers, Jodhpur	-	213-216	1998
180.	Sharma, R., Bala, Saroj, Kaur, SJ and Grover, Iqbal Singh	Antimutagenic studies of ethyl acetate extract of <i>Terminalia arjuna</i> . in Salmonella typhimurium	Journal of Plant Science Research	-	13:43-36	1997
181.	Kaur, SJ , Grover, Iqbal Singh and Kumar, Subodh	Antimutagenic potential of ellagic acid isolated from <i>Terminalia arjuna</i>	Indian Journal of Experimental Biology	-	35:478-482	1997

182.	Bala Saroj, Kaur, SJ and Grover, Iqbal Singh	Effect of tomato (<i>Lycopersiconesculentum</i> Mill) fruit juice/extract on the mutagenicity of direct and S9-dependent mutagens in Ames assay	Journal of Plant Science Research	-	13:1-6	1997
183.	Bala, Saroj, Grover, Iqbal Singh and Kaur, SJ	Effect of tamarind (<i>Tamarindusindica</i> vern. Imli) fruit extracts on direct-acting and S9-dependent mutagens in Salmonella typhimurium	Int. J. Mendel	-	14:45-46	1997
184.	Bala, Saroj, Kaur, SJ and Grover, Iqbal Singh.	Inhibitory effect of acetone extract of Terminalia arjuna in Ames assay	Int. J. Mendel	-	14:3-4	1997
185.	Kaur, SJ , Bala, Saroj, Grover, Iqbal Singh and Chopra, P.	Antimutagenic effect of acidic methanol fraction of <i>Terminaliaarjuna</i> (Roxb.) on mutagenicity of acid black dye in Ames assay	Int. J. Mendel	-	13: 79-80	1996
186.	Grover, IS, Kaur, S and Kaur, SJ	Antimutagenic effect of <i>Trachyspermumammi</i> in Salmonella typhimurium	Journal of the Indian Botanical Society	-	75:255-258	1996
187.	Grover, IS and Kaur, SJ	Antimutagenicity of polyphenols'	Proceedings of the National Academy of Sciences of India	-	66:193-205	1996
188.	Grover, IS, Adhikari, Nand Kaur, SJ	Non-mutagenicity of twelve systemic pesticides in Salmonella typhimurium	Journal of Cytology and Genetics	-	31:87-91	1996
189.	Bala, S, Kaur, SJ , Grover, IS and Sharma, B	Studies on antimutagenicity of methanol extract of Terminalia arjuna in Salmonella typhimurium	Journal of Plant Science Research	-	11-12:4-7	1995-96

