

**Abstracts selected for WSC -2019**

<b>S. No.</b>	<b>Name</b>	<b>Affiliation</b>	<b>Title of the Abstract</b>
1.	Lovleen and Aaqib Lone	Department of Zoology, School of Bioengineering and Bioscience, Lovely Professional University, Phagwara, Punjab, India	<i>In vivo</i> Reproductive Toxicity evaluation of thiamethoxam using <i>Drosophila melanogaster</i>
2.	Kamna Singh, Ketan Raj	Department of Mathematics, Lovely Professional University Phagwara, Punjab, India	Study of the impacts of abstract art and design on human brain and its affect on working efficiency of brain.
3.	Sonu Sharma <sup>1</sup> , Niraj Upadhyay	Research Scholar, Lovely Professional University, Phagwara 2. Department of Chemistry, Dr. Harisingh Gaur Vishwavidyalaya, Sagar, M.P., India.	Polythene as a modifier in bitumen
4.	Sangita Ganguly	ICAR-National Dairy Research Institute, Haryana	A cost-effective whey-cereal based probiotic beverage from underutilized resources
5.	Ms Harjinder Kaur, Mr. Girish , Ms. Sonam Kaler, Dr. Ajay Kushwaha	Lovely Professional University, Phagwara, Punjab, India	The Role of Feature Selection in Placements for increasing the intake by an institute
6.	Dr. Rohit Sharma <sup>1</sup> , Kanika sharma <sup>2</sup>	<sup>1</sup> Grainpad Private limited, <sup>2</sup> Lovely Professional University	Impact of fusion of IOT and big data on health care
7.	Debjani Mandal & Pratiti Ghosh*	Department of Physiology, West Bengal State University	Cephalometric Dimension of Yoga Practising Children and Adolescents

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8.	Alfia Fathima Ashraf <sup>1*</sup> and Binoy T Thomas <sup>2*</sup>	<sup>1*</sup> Centre For Bioinformatics, Pondicherry University, Puducherry – 605014. <sup>2*</sup> Corresponding Author: Associate Professor, Department of Botany, Catholicate College, Pathanamthitta, Kerala-689695	BIO-DEGRADATION OF DIFFERENT POLYETHENES BY BLUE-GREEN ALGA, <i>Leptolyngbya scottii</i> , (FRISTCH) ANAGN.et KOM
9.	Reena Behal <sup>1*</sup>	Dept. of Mathematics, Lovely Professional University, Punjab	The Study of Anisotropic Model with variable Cosmological Term
10	Geeta Arora and Ramanpreet Kaur*	Department of Mathematics, Lovely professional University	Study on Student Health and their Lifestyle
11	Sahu S. K., Bhor Manisha, Das B.K1.	ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, India-700120	Disseminating fishery information through QGIS- an open source GIS
12	Kamalpreet Kaur and Sonia Khaushal*	Department of Chemistry, PAU, Ludhiana-141004 (Punjab) India	Phytochemical evaluation of Clove ( <i>Syzygium aromaticum</i> ) bud essential oil
13	Mehak Saini, Asstt. Prof, Embedded Systems,	SEEE, Lovely Professional University, Phagwara, Punjab, India	Chaotic sequence based genetic algorithm for robotic path planning
14	Dr. Manavpreet Kaur Arora	Lovely Professional University, Phagwara, Punjab, India	Ushering change: Technological Innovations and Combatting Taboos in India
15	Sandipta Das <sup>1</sup> , Dasharatha P Angadi <sup>2</sup> ,	<sup>1</sup> Research Scholar, Department of Geography, Mangalore University	Nature of Urban Growth and its impact on Land Surface Temperature Increases --A micro level case study on Barrackpore Sub Division, North 24 Parganas, West Bengal

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16	Gaganpreet Kaur <sup>1</sup> , Dr. Dhiraj K Mahajan <sup>2*</sup> and Dr. Narinder Singh <sup>3*</sup>	IIT Ropar, Ropar	Development of an Effluent Treatment Plant for Hand Tool Industry
17	Gurleen Kaur* and Sucheta Sharma	Punjab Agricultural University, Ludhiana	Effect of null Kunitz trypsin inhibitor gene integression on biochemical composition in soybean ( <i>Glycine max</i> (L.) Merrill)
18	Oindrila Biswas <sup>1*</sup> , Ruby Ghosh <sup>2</sup> , Biswajit Mukherjee <sup>1</sup> , and Subir Bera <sup>1**</sup>	<sup>1</sup> Centre of Advanced Study (Phase VII), Palaeobotany-Palynology Laboratory, Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, Kolkata-	Can phytoliths discriminate C3 and C4 grass distribution? examples from the eastern Himalaya
19	Parampreet Kaur, Rajeev Sobti	School of Computer Science Engineering, Lovely Professional University	Verification and Validation of safety functions in autonomous cars using artificial intelligent sensor-fusion algorithms
20	Shreya and Preety Kalra	Department of Mathematics, Lovely Professional University	Modelling on Combined Effects of Toxicants and Acid on Dynamics of Aquatic Population
21	Amaninder Kaur Riat	Department of Zoology, School of Bioengineering and Biosciences, Lovely Professional University, Phagwara, India.	Efficacy of Different parts of <i>Lantana montevidensis</i> against larvae of <i>Aedes aegypti</i>
22	Uma Kamboj <sup>a*</sup> , Neha Kaushal <sup>b</sup>	Lovely Professional University, Phagwara, Punjab, India	Detection of Detergent Adulteration in Milk using Near Infrared Spectroscopy

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23	Khushpreet <sup>1</sup> , Simran Kamboj <sup>2</sup> , Sweety <sup>2*</sup> , Yumnam Devashree <sup>1</sup>	1Department of Botany, School of Bioengineering and Biosciences, Lovely Professional University,	Formulation of hand wash from plants of medicinal importance
24	Praveen Guleria <sup>1</sup> , Sudesh Kumar Yadav <sup>2</sup>	<sup>1</sup> Department of Biotechnology, DAV University, Jalandhar, Punjab-144012, India; <sup>2</sup> Center of Innovative and Applied Bioprocessing (CIAB), SAS Nagar, Mohali, Punjab-140306, India	Roots accumulate maximum steviol glycosides during senescence in <i>Stevia rebaudiana</i>
25	Dulumoni Tamuly	Deptt. of Zoology, Hojai College, Hojai, Assam	Acute and Chronic effects of organophosphate pesticide (Chlorpyrifos) to amphibian tadpoles ( <i>Polypedates teraiensis</i> )
26	Madhulata Shukla	Department of Chemistry, G.B. College, Ramgarh, Constituent Unite of V K S University, Ara, India	Silver nanoparticles in imidazolium based Ionic Liquids
27	Sangita Ganguly	Scientist, Dairy Technology Division ICAR_National Dairy Research Institute Karnal, Haryana	Valorization of cheese whey into Ricotta cheese
28	Sujata Mohapatra <sup>1</sup> , Rajesh Kumar <sup>1</sup> , Tilak Pattnaik <sup>2</sup> , C S K Mishra <sup>2</sup> , L Sahoo <sup>1</sup> and J K Sundaray*	<sup>1</sup> ICAR- Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar-751002, Odisha; <sup>2</sup> College of Basic Science and Humanities, Orissa University of Agriculture and Technology, Bhubaneswar-751003, Odisha.	EFFECT OF SUBLETHAL CONCENTRATIONS OF MONOCROTOPHOS ON GSI, SPAWNING PERFORMANCE AND GONAD STRUCTURE OF CLIMBING PERCH, <i>Anabas testudineus</i> (Bloch)

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29	VinayaKumari P <sup>1*</sup> , K S Jayappa <sup>1</sup> , Sujitha Thomas <sup>2</sup>	<sup>1</sup> Department of Marine Geology, Mangalore University–574 199, India; <sup>2</sup> ICAR-Central Marine Fisheries Research Institute, Mangalore RC, Mangalore -575 001 India	ANALYSIS OF NET PRIMARY PRODUCTIVITY AND SEA SURFACE TEMPERATURE IN ARABIAN SEA USING SATELLITE DATA
30	Abhilekha Sharma*, Preeti Rajput	Department of Chemistry, Noida International University, Yamuna Express, Gr. Noida, U.P, India.	Conventional and Microwave Techniques for the Synthesis and Characterization of Novel (E)-ethyl 2-((substituted-2-chloroquinolin-3-yl) methyleneamino)-5-methylthiazole-4-carboxylate derivatives
31	Iqbaljit Kaur	Lovely Professional University, Phagwara, Jalandhar, Punjab	Formulation and Evaluation of Promethazine HCL Buccal Film
32	Sheetu Wadhwa <sup>1,2</sup> , Bhupinder Singh <sup>2</sup> , Sanjay Chhibber <sup>3</sup> , Om Prakash Katare <sup>2</sup>	<sup>1</sup> School of Pharmaceutical Sciences, Lovely Professional University, Phagwara, Punjab 144411, India, <sup>2</sup> Drug Delivery Research Group, University Institute of Pharmaceutical; Panjab University, Chandigarh 160 014, India Sciences <sup>3</sup> Department of Microbiology, Panjab University, Chandigarh 160 014, India	QbD-ORIENTED DESIGN AND DEVELOPMENT OF FUSIDIC ACID LOADED LIPID BASED NOVEL CARRIERS FOR TOPICAL DELIVERY
33	Kousalya R1, Kanimozhi N, Kalaiselvi Senthil*	1 Presenting author, * Corresponding author Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043, Tamil Nadu	Effect of Micronutrients (Cu, Fe, Zn, Mn) on Metabolic Profile of In Vitro Grown shoots of <i>Withania somnifera</i>
34	Shivani Sharma and Naveen Gupta	Lovely Professional University, Phagwara	Optical Self Action Effects of q-Gaussian Laser Beams Interacting with DT Fusion Pellet

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35	Perna Jain, Amandeep Kaur, Pooja Kumari	Department Of Computer Science and Engineering, Lovely Professional University, Jalandhar City 144411, India	Prediction of Coronary Artery Disease by using Machine Learning
36	B. Aruljothi* and P. Sangeetha,P.G.	Government Arts College, C – Mutlur - 608102, Chidambaram, India,	Studies on Toxicity and Hematological Responses Under Cadmium Stress on Air Breathing Fish <i>Channa punctatus</i> (Bloch)
37	Debnath Monalisa, Chatterjee Subhra, Dey SK	Sports Authority of India, N. S. Eastern Center, Salt Lake City, Kolkata- 700098,  Sports Authority of India, New Delhi-110003,	Prediction of athletic performance through nutrition knowledge and practice: a cross-sectional study among young team athletes
38	Suman Lata Tripathi	School of Electrical and Electronics Engineering Lovely Professional University, Phagwara Punjab	Low power Ultra-small Ge-SixGe1-x nJLTFET and pJLTFET characterization and Implementation as CMOS Inverter
39	Anishka Jaiswal, D. Sagar	Mittal School of Business, Lovely Professional University, Phagwara, Punjab, India.	Data Analytics and HR: The future of employee relations
40	Dr. Jayashri N Bandal K	THM College, Nashik, Maharashtra, India	Studies on Health benefits of Lactic acid bacteria (LAB, Probiotics)

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41	Vaishali Arjun Tile <sup>1</sup> , Sharad R. Khandelwal <sup>2</sup>	<sup>1</sup> Department of Microbiology, K.T.H.M College Nashik, University of Pune (INDIA); <sup>2</sup> Department of Microbiology, H.P.T and R.Y.K College Nashik, University of Pune (INDIA)	Green synthesis of silver nanoparticles by marine-derived Flavodon species, and their antimicrobial potential
42	Annu Maria Nelson and Suman Rani	Lovely Professional University, Phagwara, Punjab, India	To study the structural and optical properties of ZnS
43	Gagandeep Kaur <sup>1*</sup> , Anu Kalia <sup>2</sup> and Harpreet S Sodhi <sup>1</sup>	<sup>1</sup> Department of Microbiology, College of Basic Sciences and Humanities, <sup>2</sup> Electron Microscopy and Nanoscience Laboratory, College of Agriculture, Punjab Agricultural University, Ludhiana, Punjab-141004, India	Effect of Selenium Enrichment on Mycelial Growth, Ultra-structure and Protein Chemistry of Selected <i>Pleurotus</i> Species
44	Simran Jeet Kaur, Alka Mehta, Niti Kant*	Lovely Professional University, Phagwara, Punjab, India,	TERAHERTZ (THz) RADIATION GENERATION BY BEATING OF TWO CO-PROPAGATING q-GAUSSIAN LASER BEAMS IN PLASMA
45	Monika Sood <sup>1</sup> , and Dhriti Kapoor <sup>1*</sup>	<sup>1</sup> Department of Botany, School of Bioengineering and Biosciences: Lovely Professional University, Phagwara, Punjab, India	Antagonism of Zn Toxic Effects by Indole-3-Acetic acid (IAA) in <i>Hordeum vulgare</i> Seedlings.
46	Sangita Dixit, Manohar Vasam, L Sahoo, Kiran D Rasal and J K Sundaray*	ICAR- Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar-751002, Odisha	In-silico prediction of conserved miRNAs and their target gene characterization in rohu ( <i>Labeo rohita</i> ) from Expressed Sequence Tags.

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47	Lovleen, Subreena Asgar and Shakir hafiz	Department of Zoology, School of Bioengineering and Biosciences, Lovely Professional University, Phagwara, India	Reprotoxic Consequences of Bifethrin, Dichlorvos and Thiamethoxam pesticides on fecundity of <i>Drosophila melanogaster</i>
48	Himanshi Upadhyaya, Chitra Jangid, Peta pavan kumar	Department of Forensic Science, Lovely Professional University.	Study Drugs: A New Trend Among Students Around The World
49	Bharti Ahirwar	Institute of Pharmaceutical Sciences, Guru Ghasidas Vishwavidyalaya, Bilaspur (CG) 495009 India	Screening of <i>Holarrhena antidysenterica</i> (Linn.) wall used by tribes of Chhattisgarh for the management of liver diseases
50	Akhila Rupesh, Dr.J V Muruga Lal Jeyan	School of Mechanical Engineering, Lovely Professional University	DESIGN AND ANALYSIS OF FIVE PROBE FLOW ANALYSER FOR SUBSONIC AND SUPERSONIC WIND TUNNEL CALIBRATION
51	Krishnapriya Santhanu <sup>1</sup> , Sangeetha Vinodkumar <sup>2</sup> , Kalaiselvi Senthil*	Department of Biochemistry, Biotechnology and Bioinformatics, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043, Tamil Nadu	A comparative bioactivity and Neuroprotective study of Traditional Aswgandha Churna and Churna developed using <i>in vitro</i> grown shoots of <i>Withania somnifera</i> .
52	B. Siva Kumari <sup>1</sup> D. Bala Karuna Kumar <sup>2</sup>	a. Department of Botany, Andhra Loyola College, Vijayawada, Andhra Pradesh - India	Role of Ecofriendly Nano particles on Growth Parameters of Maize
53	Neha Handa, Ashwani Kumar Thukral <sup>1</sup> , Renu Bhardwaj <sup>2</sup>	<sup>1</sup> Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar, Punjab, India. <sup>2</sup> Department of Botany, School of Bioengineering and Biosciences,	Selenium Induced Modulation of Antioxidative Stress Markers in Chromium Stressed <i>Brassica juncea</i> L. Plants



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		Lovely Professional University, Phagwara, 144411, Punjab, India.	
54	Preeti Verma and S. K. Khosa	Department of Physics and Astronomical Sciences, Central University of Jammu, Jammu – 181143, India	Projected Shell Model Study of Some Odd-Odd Isotones
55	Vandna Chhabra*, Abdul Haris A. and Manpreet Kaur	Lovely Professional University, Phagwara-144411, Punjab, India	Crop Diversification in Changing Climate
56	Harmanpreet Kaur and Keshani	Department of Microbiology, Punjab Agricultural University (PAU), Ludhiana, 141001, Punjab, India	WINE PRODUCTION FROM INDIGENOUS <i>SACCHAROMYCES CEREVISIAE</i> STRAINS OF NORTH WESTERN HIMALAYAS.
57	Shiwani Guleria <sup>1*</sup> and Mohit Sharma <sup>2</sup>	Department of Microbiology, School of Bioengineering and Biosciences, Lovely Professional University, Phagwara, Panjab- 144411, Department of Biotechnology, DAV university, Sarmastpur, Jalandgar, Punjab-144012;	ROLE OF ALKALINE PROTEASE OF <i>Bacillus amyloliquifaciens</i> SP1 IN BIOCONTROL
58	Mamta Arora	ASBASJSM College, Bela Ropar Punjab	ROLE OF WOMEN IN PROMOTING BIOTECHNOLOGY
59	Sruti Karmakar	Department of Civil Engineering, IIT Ropar, Nangal Road, Rupnagar Punjab-140001	Agriculture and Forestry Sciences Conversion of Agricultural Waste to Organic Manures for Improving Soil Health

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60	Lakhvinder Kaur <sup>1</sup> and Shachi Shah <sup>2</sup>	Manav Rachna International Institute of Research and Studies, Faridabad, Haryana. School of Interdisciplinary and Transdisciplinary Studies, Indira Gandhi National Open University, New Delhi	Isolation and Identification of Cellulose Producing Bacteria from Decaying Fruit Waste for Valorization
61	Varinder Saini*, Reet Kamal Tiwari	Department of Civil Engineering, Indian Institute of Technology Ropar	Monitoring urban sprawl using object based image analysis of multi-temporal remote sensing data
62	Adithya GT & Sivasankari C*	Department of Chemistry, Government College of Technology, Coimbatore – 641 013, Tamil Nadu, India	Synthesize and Characterization of Nanostructured Lanthanoids (Lanthanum, Cerium)-Iron Oxide