



## Scientific Programme

<u>Pre-Conference Workshop</u> <b>Nutraceuticals: Isolation, Characterization and Formulation</b> <b>February 21<sup>st</sup> 2024 (Wednesday)</b>		
<b>9.00am to 9:30am</b>	<b>Registration &amp; Inauguration</b>	
<b>9:30am to 11:00am</b>	<b>Prof. Sanjay Jachak</b> (NIPER, Mohali, INDIA)	<b>Isolation, Characterisation and Purification of Nutraceuticals</b>
<b>11:00am to 11:30am</b>	<b>Tea</b>	
<b>12:00pm to 1:00pm</b>	<b>Dr. Ankit Saneja</b> (CSIR-IHBT, Palampur, HP, INDIA)	<b>Novel Formulation Approaches for Augumenting the Bioavailability &amp; Therapeutic Efficacy of Nutraceuticals</b>
<b>1:00pm to 2:00pm</b>	<b>Lunch</b>	
<b>2:00pm to 5:00pm</b>	<b>Prof. Sanjay Jachak</b> (NIPER, Mohali, INDIA)	<b>Hands on experience and training</b>

<b>DAY 1</b> <b>February 22<sup>nd</sup> 2024 (Thursday)</b>		
<b>8:30am to 9:30am</b>	<b>Registration</b>	
<b>9:30am to 11:00am</b> <b>Venue: Golden Jubilee Hall, PU, Chandigarh</b>	<b>Inauguration Ceremony &amp; Keynote Lecture by: Prof. Dulal Panda</b> (NIPER, Mohali, INDIA)	
<b>11:00am to 11:30am</b>	<b>High Tea</b>	
<b>11:30am to 1:35 pm</b> <b>Venue: Golden Jubilee Hall, PU, Chandigarh</b>	<b>PS1: Plenary Session-1</b> <b>SESSION: SPICE IN LIFE: NUTRACEUTICALS</b> <b>Chairperson:</b> <b>Prof. Sanjay V. Malhotra</b> (Oregon Health & Science University, Portland, USA) <b>Prof. Oommen V Oommen</b> (University of Kerala, Thiruvananthapuram, Kerala, INDIA)	
<b>11:30am- 11:55am</b>	<b>PT1: Prof. Bhimanagouda Patil</b> (Texas A&M University, Houston, USA)	<b>Revisiting Citrus Flavonoids: Potential for Preventing Cancer and Improving Gut Health</b>
<b>11:55am-12:20pm</b>	<b>PT2: Prof. Oommen V Oommen</b> (University of Kerala, Thiruvananthapuram, INDIA)	<b>Nutraceuticals Research and Biodiversity Conservation</b>
<b>12:20pm- 12:45pm</b>	<b>PT3: Prof. Subhash C. Chauhan</b> (University of Texas, Rio Grande Valley, Texas, USA)	<b>Antibody mediated Targeted Drug Delivery approach for Pancreatic Tumors</b>
<b>12:45pm-1:10pm</b>	<b>PT4: Prof. Sanjay V. Malhotra</b> (Oregon Health & Science University, Portland, USA)	<b>Designing drugs to combat resistance against cancer treatment</b>
<b>1:10pm-1:35pm</b>	<b>PT5: Prof. Tej K Pandita</b> (Texas A&M University, Houston, USA)	<b>Role of stem cell factor Nanog in chromatin structure and DSB repair</b>
<b>1:35pm to 2:30pm</b>	<b>Lunch</b> <b>Venue: Golden Jubilee Hall (Lawns), PU, Chandigarh</b>	
<b>2:30pm to 4:00pm</b> <b>Venue: Golden Jubilee Hall, PU, Chandigarh</b>	<b>IT1: Invited Talks-1</b> <b>SESSION: NUTRACEUTICALS AND THERAPEUTICS</b> <b>Chairperson:</b> <b>Prof. Subhash C. Chauhan</b> (University of Texas, Rio Grande Valley, Texas, USA) <b>Prof. Subash C. Gupta</b> (AIIMS, Guwahati, INDIA)	
<b>2:30pm-2:50pm</b>	<b>IT1: Prof. Ajay Goel</b> (BRI, City of Hope, California, USA)	<b>The role of dietary botanicals in the prevention and treatment of gastrointestinal cancers</b>
<b>2:50pm-3:10pm</b>	<b>IT2: Prof. Rana P. Singh</b> (JNU, New Delhi, INDIA)	<b>Halting Mitochondrial Exchange Inhibits Chemotherapy Resistance in Cancer</b>
<b>3:10pm-3:30pm</b>	<b>IT3: Prof. Sushil K. Jain</b> (Louisiana State University, USA)	<b>A Novel Approach to treat vitamin D deficiency: A placebo controlled double blind clinical trial in African Americans</b>
<b>3:30pm-3:50pm</b>	<b>IT4: Prof. Shilpa Buch</b> (University of Nebraska Medical Center, Omaha, USA)	<b>HIV-Tat &amp; Morphine mediated astrocytic senescence &amp; Alzheimer's like pathology leading to EV mediated neuronal injury</b>

<p><b>2:30pm to 4:00pm</b>  <b>Venue:</b> ICSSR Hall-I,  PU, Chandigarh</p>	<p><b>ILS2: Invited Talks-2</b>  <b>SESSION: NUTRACEUTICAL SOLUTIONS FOR LIFESTYLE DISORDERS</b>  <b>Chairperson:</b>  <b>Prof. Ajaikumar B. Kunnumakkara</b> (IIT, Guwahati, INDIA) and  <b>Prof. Sharmistha Sinha</b> (Institute of Nano-Science &amp; Technology, Mohali, Punjab)</p> <table border="1"> <tr> <td data-bbox="553 384 743 531"><b>2:30pm-2:50pm</b></td> <td data-bbox="751 384 995 531"><b>IT5: Prof. Irfan Rahman</b> (University of Rochester Medical Center, New York)</td> <td data-bbox="1003 384 1372 531"><b>Nutraceuticals in Chronic Lung Aging Diseases: Potential for Therapeutic Targets</b></td> </tr> <tr> <td data-bbox="553 537 743 684"><b>2:50pm-3:10pm</b></td> <td data-bbox="751 537 995 684"><b>IT6: Prof. Jayanth Ramadoss</b> (Wayne State University, Detroit, USA)</td> <td data-bbox="1003 537 1372 684"><b>Phosphatidic Acid, a Direct Alcohol-Target Lipid Rescues Fetal Growth Restriction &amp; Maternal Uterine Artery Dysfunction in Rat FASD Model</b></td> </tr> <tr> <td data-bbox="553 690 743 837"><b>3:10pm-3:30pm</b></td> <td data-bbox="751 690 995 837"><b>IT7: Dr. Manorama Patri</b> (Central University of Himachal Pradesh, INDIA)</td> <td data-bbox="1003 690 1372 837"><b>Neuroprotective Potency of Saffron Stigma Extract and Crocin against Benzo[a]pyrene-induced Neurodegeneration in Zebrafish (<i>Danio rerio</i>)</b></td> </tr> <tr> <td data-bbox="553 844 743 989"><b>3:30pm-3:50pm</b></td> <td data-bbox="751 844 995 989"><b>IT8: Prof. Prabhudas S. Patel</b> (The Gujrat Cancer &amp; Research Institute, Ahmedabad, INDIA)</td> <td data-bbox="1003 844 1372 989"><b>Identification of therapeutic targets for oral cancer using Computational and Biomolecular approaches</b></td> </tr> </table>	<b>2:30pm-2:50pm</b>	<b>IT5: Prof. Irfan Rahman</b> (University of Rochester Medical Center, New York)	<b>Nutraceuticals in Chronic Lung Aging Diseases: Potential for Therapeutic Targets</b>	<b>2:50pm-3:10pm</b>	<b>IT6: Prof. Jayanth Ramadoss</b> (Wayne State University, Detroit, USA)	<b>Phosphatidic Acid, a Direct Alcohol-Target Lipid Rescues Fetal Growth Restriction &amp; Maternal Uterine Artery Dysfunction in Rat FASD Model</b>	<b>3:10pm-3:30pm</b>	<b>IT7: Dr. Manorama Patri</b> (Central University of Himachal Pradesh, INDIA)	<b>Neuroprotective Potency of Saffron Stigma Extract and Crocin against Benzo[a]pyrene-induced Neurodegeneration in Zebrafish (<i>Danio rerio</i>)</b>	<b>3:30pm-3:50pm</b>	<b>IT8: Prof. Prabhudas S. Patel</b> (The Gujrat Cancer & Research Institute, Ahmedabad, INDIA)	<b>Identification of therapeutic targets for oral cancer using Computational and Biomolecular approaches</b>
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<p><b>3:00pm to 4:00pm</b>  <b>Venue:</b> ICSSR Hall-II,  PU, Chandigarh</p>	<p><b>Young Scientist Award Session-1</b>  <b>Chairperson:</b>  <b>Prof. Indu Verma</b> (PGIMER, Chandigarh, INDIA)  <b>Prof. Amarjit Singh Naura</b> (Panjab University, Chandigarh)</p> <table border="1"> <tr> <td data-bbox="553 1125 906 1220"><b>OP1: Sosmitha Girisa</b> (Indian Institute of Technology Guwahati, Assam, India)</td> <td data-bbox="914 1125 1372 1220"><b>Withaferin A Suppresses Mortalin-Regulated Oral Carcinogenesis by Targeting Akt/mTOR Signaling</b></td> </tr> <tr> <td data-bbox="553 1226 906 1320"><b>OP2: Sweta Makwana</b> (Central University of Rajasthan, India)</td> <td data-bbox="914 1226 1372 1320"><b>Unmasking TRIMp: Exploring its Oncogenic Role and Investigating Plant-Derived Compounds for Breast Cancer Treatment</b></td> </tr> <tr> <td data-bbox="553 1327 906 1400"><b>OP3: Kajal</b> (Lovely Professional University, Phagwara, Punjab, INDIA)</td> <td data-bbox="914 1327 1372 1400"><b>Anticancerous potential of phytoconstituents frombroccoli-extract against breast cancer</b></td> </tr> <tr> <td data-bbox="553 1407 906 1501"><b>OP4: Dr. Anam Ashraf</b> (Jamia Millia Islamia, New Delhi, INDIA)</td> <td data-bbox="914 1407 1372 1501"><b>Noscapine: Repurposing an opium alkaloid as a potential anti-cancer drug through Aurora Kinase B inhibition</b></td> </tr> <tr> <td data-bbox="553 1507 906 1602"><b>OP5: Saba Noor</b> (Jamia Millia Islamia, New Delhi, INDIA)</td> <td data-bbox="914 1507 1372 1602"><b>Investigating AURKB Inhibitory Potential of Baicalin: A Targeted Approach towards Lung Cancer Therapy</b></td> </tr> <tr> <td data-bbox="553 1608 906 1703"><b>OP6: Trivedi Tithi Shailendra</b> (Gujarat University, Ahemdabad, INDIA)</td> <td data-bbox="914 1608 1372 1703"><b>Decoding Nature's Harmony: MicroRNA Orchestration by Holarrhena pubescens and its Revolutionary Implications in Medicinal Plant Therapeutics</b></td> </tr> </table>	<b>OP1: Sosmitha Girisa</b> (Indian Institute of Technology Guwahati, Assam, India)	<b>Withaferin A Suppresses Mortalin-Regulated Oral Carcinogenesis by Targeting Akt/mTOR Signaling</b>	<b>OP2: Sweta Makwana</b> (Central University of Rajasthan, India)	<b>Unmasking TRIMp: Exploring its Oncogenic Role and Investigating Plant-Derived Compounds for Breast Cancer Treatment</b>	<b>OP3: Kajal</b> (Lovely Professional University, Phagwara, Punjab, INDIA)	<b>Anticancerous potential of phytoconstituents frombroccoli-extract against breast cancer</b>	<b>OP4: Dr. Anam Ashraf</b> (Jamia Millia Islamia, New Delhi, INDIA)	<b>Noscapine: Repurposing an opium alkaloid as a potential anti-cancer drug through Aurora Kinase B inhibition</b>	<b>OP5: Saba Noor</b> (Jamia Millia Islamia, New Delhi, INDIA)	<b>Investigating AURKB Inhibitory Potential of Baicalin: A Targeted Approach towards Lung Cancer Therapy</b>	<b>OP6: Trivedi Tithi Shailendra</b> (Gujarat University, Ahemdabad, INDIA)	<b>Decoding Nature's Harmony: MicroRNA Orchestration by Holarrhena pubescens and its Revolutionary Implications in Medicinal Plant Therapeutics</b>
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<p><b>4:00pm to 5:00pm</b>  <b>Venue:</b>  Golden Jubilee Hall  (Dining area), PU,  Chandigarh</p>	<p><b>Poster Session-1</b>  <b>Moderator:</b> Prof. Sukesh Chander Sharma</p>												
<p><b>4:00 pm to 4:30 pm</b></p>	<p><b>Tea</b></p>												

<p><b>4:30pm to 6:00pm</b>  <b>Venue:</b> Golden Jubilee Hall, PU, Chandigarh</p>	<b>P A R A L L E L S E S I O N S</b>	<p><b><u>ILS3: Invited Talks-3</u></b>  <b><u>SESSION: Nutraceuticals and Epigenetics</u></b>  <b>Chairperson:</b>  <b>Prof. Sushil K. Jain</b> (Louisiana State University, USA) and  <b>Prof. Sanjay Jachak</b> (NIPER, Mohali, INDIA)</p>		
<p><b>4:30pm-4:50pm</b></p>		<p><b>IT9: Prof. Jyotdeep Kaur</b>  (PGIMER, Chandigarh, INDIA)</p>	<p>Folic acid and vitamin B12 imbalance in pregnancy and newborn outcomes: a transgenerational epigenetic study</p>	
<p><b>4:50pm-5:10pm</b></p>		<p><b>IT10: Prof. Chandi C. Mandal</b>  (Central University of Rajasthan, INDIA)</p>	<p>Interplay between oncogene ZNF726 and DNMT1 for breast tumorigenesis in association with dysregulated cellular cholesterol levels</p>	
<p><b>5:10pm-5:30pm</b></p>		<p><b>IT11: Dr. Anil Mukund Limaye</b>  (IIT, Guwahati, INDIA)</p>	<p>Enterolactone, a mammalian enterolignan, regulates CYP1A1 expression in MCF-7 breast cancer cells</p>	
<p><b>4:30 pm to 6:00 pm</b>  <b>Venue:</b> ICSSR Hall-I, PU, Chandigarh</p>			<p><b><u>ILS4: Invited Talks-4</u></b>  <b><u>SESSION: Innovative and Therapeutic Nutraceuticals</u></b>  <b>Chairperson:</b>  <b>Prof. Jayanth Ramadoss</b> (Wayne State University, Detroit, USA)  <b>Prof. Prabhudas S. Patel</b> (The Gujrat Cancer &amp; Research Institute, Ahmedabad, INDIA)</p>	
<p><b>4:30pm-4:50pm</b></p>			<p><b>IT12: Prof. Subash C. Gupta</b>  (AIIMS, Guwahati, INDIA)</p>	<p>Elucidating the therapeutic potential of mitochondrial prohibitin and a small molecule inhibitor for breast cancer therapy</p>
<p><b>4:50pm-5:10pm</b></p>	<p><b>IT13: Prof. Satwinderjeet Kaur</b>  (GNDU, Amritsar, INDIA)</p>		<p><i>Cassia fistula</i> L.: ‘Golden shower’ tree with promising chemopreventive potential</p>	
<p><b>5:10pm-5:30pm</b></p>	<p><b>IT14: Dr. Shivraj Hariram Nile</b>  (NABI, Mohali, INDIA)</p>		<p>Unlocking Nature's Treasure- Harnessing Fruit Biowaste for Innovative Nutraceuticals in the Development of Functional Foods and Therapeutic Drugs</p>	
<p><b>5:30pm-5:50pm</b></p>	<p><b>IT15: Dr. Ankit Saneja</b>  (IHBT, Palampur, INDIA)</p>		<p>Deciphering the complexation Mechanism of Nutraceuticals with Cyclodextrin Derivatives and its translational Potential for development of Oral Thin Films</p>	
<p><b>6:00pm to 6:20pm</b>  <b>Venue:</b> Golden Jubilee Hall, PU, Chandigarh</p>	<b>Industry Talks</b>			
	<p><b>Dr. Ankur Gautam</b>  (MERCK)</p>	<p>Skilling India through MERCK Labs</p>		
	<p><b>Dr. Piyush Das</b>  (Thermo Fisher Scientific)</p>	<p>Unlocking the Future of Life Sciences-Our Unique Value Proposition in Research</p>		
<p><b>6:20pm to 6:50pm</b>  <b>Venue:</b> Golden Jubilee Hall, PU, Chandigarh</p>	<p><b>General Body Meeting of the Society for Nutraceuticals and Chronic Diseases</b></p>			
<p><b>6:50pm to 7:50pm</b>  <b>Venue:</b> Law Auditorium, PU, Chandigarh</p>	<p><b>Cultural Programme</b></p>			
<p><b>8:00pm onwards</b></p>	<p><b>Dinner</b>  <b>Venue:</b> Golden Jubilee Hall (Lawns), PU, Chandigarh</p>			

<b>DAY 2</b> <b>February 23<sup>rd</sup> 2024, (Friday)</b>		
<b>8:30am to 9:00am</b>	<b>Registration</b>	
<b>9:00am to 11:05am</b> <b>Venue: Golden Jubilee Hall, PU, Chandigarh</b>	<b>PS2: Plenary Session-2 (HYBRID MODE)</b> <b>SESSION: HONOURING CONTRIBUTIONS OF PROF. SUKH DEV</b> <b>Chairperson:</b> <b>Prof. Arun Kumar Grover</b> (Former Vice-Chancellor, Panjab University, Chandigarh) <b>Prof. Anand Swaroop</b> (National Institutes of Health, Bethesda, USA)	
<b>9:00am-9:35am</b>	<b>PT6: Dr. Acharan S. Narula</b> (Narula Research, LLC, Chapel Hill, North Carolina, USA)	<b>Inflammation, Immunity, Chronic Diseases and Cancer: When the “Standard of Care” has been exhausted, what is next? Leads for Drug Development from traditional medicine and Natural Products</b>
<b>9:35am-10:00am</b>	<b>PT7: Prof. Sudesh Kumar Yadav</b> (CSIR-IHBT, Palampur, INDIA)	<b>Himalayan bioresources – A treasure trove of nutraceuticals for combating chronic diseases</b>
<b>10:00am-10:25am</b>	<b>PT8: Prof. Anand Swaroop</b> (National Institutes of Health, Bethesda, USA)	<b>Genetic susceptibility, epigenome and influence of diet and age on pathogenesis of age-related macular degeneration</b>
<b>10:25am-10:50am</b>	<b>PT9: Prof. Deepak Kumar</b> (North Carolina Central University, Durham, USA)	<b>Environmental Exposure and Chronic Disease Outcomes</b>
<b>11:00am to 11:30pm</b>	<b>Tea</b>	
<b>11:30am to 2:00pm</b> <b>Venue: Golden Jubilee Hall, PU, Chandigarh</b>	<b>PS3: Plenary Session-3</b> <b>SESSION: NUTRACEUTICAL INTERVENTIONS FOR STRESS AND CANCER (DAILAB PIKNIKH SERIES 54)</b> <b>Chairperson:</b> <b>Prof. Ajay Goel</b> (BRI, California, USA) and <b>Dr. Sunil Kaul</b> (AIST, JAPAN)	
<b>11:30am-11:50am</b>	<b>PT10: Dr. Renu Wadhwa</b> (AIST, JAPAN)	<b>Nutraceutical and Pharmaceutical Potential of Honeybee Propolis</b>
<b>11:50am-12:05pm</b>	<b>PT11: Dr. Sunil Kaul</b> (AIST, JAPAN)	<b>Ashwagandha and Stress Management: Experimental evidence from Cell Culture Based Assays</b>
<b>12:05pm-12:20pm</b>	<b>PT12: Dr. Yoshihiro Ohmiya</b> (AIST, JAPAN)	<b>Luciferase based screening system for nutraceuticals</b>
<b>12:20pm-12:35pm</b>	<b>PT13: Prof. Ajaikumar B. Kunnumakkara</b> (IIT, Guwahati, INDIA)	<b>Curcumin formulations for enhanced bioavailability and efficacy: What we learned thus far?</b>
<b>12:35pm-12:50pm</b>	<b>PT14: Dr. Fayaz Malik</b> (CSIR-Indian Institute of Integrative Medicine Sanat Nagar, Srinagar, INDIA)	<b>Elimination of Chemo-resistant Stem-like Cells in TNBCs by a Novel Stem cell Modulator led to better treatment outcome</b>
<b>12:50pm-1:05pm</b>	<b>PT15: Dr. Jaspreet Kaur Dhanjal</b> (Indraprastha Institute of Information Technology, Delhi, INDIA)	<b>Hypoxia stress and neurodifferentiation signalings: experimental and computational perspectives</b>

	1:05pm-1:20pm	<b>PT16: Dr. Shanuja Beri</b> (Kalindini College, University of Delhi, INDIA)	Antiperoxidant Treatment for Iron-Induced Epilepsy- An Experimental Study
	1:20pm-1:35pm	<b>PT17: Prof. Pratap K. Pati</b> (GNDU, Amritsar, INDIA)	Biotechnological interventions in medicinal and nutritionally rich crops
1:35pm to 2:30pm	<b>Lunch</b> Venue: Golden Jubilee Hall (Lawns), PU, Chandigarh		
2:30 pm to 4:00 pm Venue: Golden Jubilee Hall, PU, Chandigarh	P A R A L L E L S E S S I O N S	<b>IT5: Invited Talks-5</b> <b>SESSION: UNVEILING METASTASIS IN CANCER</b> <b>Chairperson:</b> <b>Prof. Pratap K. Pati</b> (GNDU, Amritsar, INDIA) <b>Prof. Shalmoli Bhattacharrya</b> (PGIMER, Chandigarh, INDIA)	
2:30pm-2:50pm		<b>IT16: Dr. Manish K. Tripathi</b> (University of Texas, McAllen, USA)	Exploring the Role of lncRNA Malat1 in Advancing CRC and Metastatic Processes
2:50pm-3:10pm		<b>IT17: Prof. Girish J. Kotwal</b> (University of Louisville, Kentucky, USA)	Significant noninvasive survival outcome of metastasized prostate cancer and neuroendocrine tumors with a combination therapy using modern medicine treatment and nutraceuticals from turmeric and pomegranate
3:10pm-3:30pm		<b>IT18: Prof. Shailja Singh</b> (JNU, New Delhi, INDIA)	'Erythritol', a safe nutraceutical exhibits multi-stage anti-malarial activity by permeating into Plasmodium falciparum through aquaglyceroporin channel
3:30pm-3:50pm		<b>IT19: Prof. Ritu Aggarwal</b> (PGIMER, Chandigarh, INDIA)	Understanding the comprehensive differential miRNA profile in tissue biopsies in cervical carcinoma on next generation sequencing platform
2:30pm to 4:00pm Venue: ICSSR Hall-I, PU, Chandigarh	P A R A L L E L S E S S I O N S	<b>IT6: Invited Talks-6</b> <b>SESSION: NUTRACEUTICALS AND NEUROLOGICAL DISEASES</b> <b>Chairperson:</b> <b>Prof. Anita Jagota</b> (Univ. of Hyderabad, INDIA) <b>Dr. Vikas Rishi</b> (NABI, Mohali, INDIA)	
2:30pm-2:50pm		<b>IT20: Prof. Alok Chandra Bharti</b> (University of Delhi, INDIA)	<i>In vivo</i> Antiangiogenic Effect of Nimbolide, Trans-chalcone and Piperine for use against Glioblastoma
2:50pm-3:10pm		<b>IT21: Prof. Suhel Parvez</b> (Jamia Hamdard, New Delhi, INDIA)	Role of Dopamine-D2-Agonists in Targeting Mitochondria for Mediating Neuroprotection in Subarachnoid Hemorrhage
3:10pm-3:30pm		<b>IT22: Dr. Abhai Kumar</b> (Deen Dayal Upadhyaya Gorakhpur, INDIA)	NMR based Serum metabolomics revealed metabolic signatures associated with oxidative stress and mitochondrial damage in brain stroke and the role of Withania Somnifera in stroke management
3:30pm-3:50pm		<b>IT23: Prof. Anita Jagota</b> (University of Hyderabad, INDIA)	Therapeutic effects of herbal nutraceuticals (Curcumin and Withania Somnifera hydro alcoholic leaf extract) on Circadian dysfunction, Aging and Neurodegeneration

<b>3:00 pm to 4:00 pm</b> <b>Venue: ICSSR Hall-II, PU, Chandigarh</b>	<b><u>Young Scientist Award Session-2</u></b> <b>Chairperson:</b> <b>Prof. Dipti Sareen</b> (Panjab University, Chandigarh, INDIA) <b>Dr. Sheikh Tasduq Abdullah</b> (IIIM, Jammu, INDIA)		
	<b>OP7: Akhil</b> (Panjab University, Chandigarh,INDIA)	<b>Puerarin affects Inflammation in Lupus Pathology: Study on Pristane Induced Mice Model</b>	
	<b>OP8: Yogain Taank</b> (Panjab University, Chandigarh, INDIA)	<b>Evaluation of ergosterol and its metabolites as LXR agonists and their anticancer potential in colon cancer</b>	
	<b>OP9: Greeshma S.</b> (University of Kerala, Thiruvananthapuram, INDIA)	<b>Evaluating the Mitochondrial Protective Efficacy of Triphala: An <i>In Vitro</i> and <i>In Vivo</i> Investigation into Mitigating Dysfunction</b>	
	<b>OP10: Fidha Latheef</b> (University of Kerala, Thiruvananthapuram, INDIA)	<b>Unlocking the Therapeutic Potential of PLGA-Encapsulated Shogaol Nanoparticles Combating in A375 Melanoma Cell</b>	
	<b>OP11: Najeeb S</b> (University of Kerala, Thiruvananthapuram, INDIA)	<b>Exploring Cholesterogenic Alterations and Mitochondrial Dysfunction in Alopecia</b>	
	<b>OP12: Sourbh Suren Garg</b> (LPU, Punjab, INDIA)	<b>Formulation development, characterization and assessment of acarbose-encapsulated guar gum nanoformulation against type 2 diabetes</b>	
<b>4:00 pm to 5:00 pm</b> <b>Venue: Golden Jubilee Hall (Dining area), PU, Chandigarh</b>	<b>Poster Session-2</b> <b>Moderator: Dr. Nirmal Prabhakar</b>		
<b>4:00pm to 4:30pm</b>	<b>Tea</b>		
<b>4:30pm to 6:10pm</b> <b>Venue: Golden Jubilee Hall, PU, Chandigarh</b>	<b><u>ILS7: Invited Talks-7</u></b> <b>SESSION: NUTRACEUTICALS: THERAPEUTIC PROSPECTS IN INFLAMMATION &amp; OTHER CHRONIC DISEASES</b> <b>Chairperson:</b> <b>Prof. I.P. Singh</b> (NIPER, Mohali, INDIA) and <b>Dr. Ruby John Anto</b> (Institute of Advanced Virology, Thiruvananthapuram, INDIA)		
	<b>P A R A L L E L  S E S S I O N S</b>	<b>4:30pm-4:50pm</b>	<b>IT24: Prof. Dheer Singh</b> (ICAR-National Dairy Research Institute, Karnal, INDIA) <b>Milk Nanostructures: Emerging Profit Bullets For Dairy Industry And Gene Therapeutics</b>
		<b>4:50pm-5:10pm</b>	<b>IT25: Dr. Md Imtaiyaz Hassan</b> (Jamia Millia Islamia, New Delhi, INDIA) <b>Targeting Sphingosine kinase 1 by phytonutrients: A structure-based approach to control Idiopathic pulmonary fibrosis and lung carcinoma</b>
		<b>5:10pm-5:30pm</b>	<b>IT26: Prof. Partha Roy</b> (IIT Roorkee, INDIA) <b>Kaempferol: A major phytochemical present in honey plays critical role in protecting pancreatic <math>\beta</math>-cells and preventing obesity related diabetes</b>
		<b>5:30pm-5:50pm</b>	<b>IT27: Dr. Sreejith Paramesara Panicker</b> (University of Kerala, Thiruvananthapuram, INDIA) <b>Investigating Compromised Mitochondrial Metabolism and Assessing Phytochemical Influence on Hair Follicle Health</b>
		<b>5:50pm-6:10pm</b>	<b>IT28: Dr. Harinder Singh</b> (Bright Lifecare, Gurgaon, INDIA) <b>Nutraceuticals: A Paradigm Shift Towards Better Future</b>

<p><b>4:30pm to 6:10pm</b>  <b>Venue: ICSSR Hall-I, PU, Chandigarh</b></p>	<p><b>ILS8: Invited Talks-8</b>  <b>SESSION: AYUSH THERAPIES IN CHRONIC DISEASES</b>  <b>Chairperson:</b>  <b>Prof. Chandrdeep Tandon</b> (Amity University, INDIA)  <b>Prof. Satwinderjeet Kaur</b> (GNDU, Amritsar, INDIA)</p>	
	<p><b>4:30pm-4:50pm</b></p>	<p><b>IT29: Dr. Sathyanarayan B.</b>  (Muniyal Institute of Ayurveda Medical Sciences, Manipal, INDIA)  <b>Role of Trina dhanya (millets) in cancer prevention-a scientific review</b></p>
	<p><b>4:50pm-5:10pm</b></p>	<p><b>IT30: Prof. Sidharth Mehan</b>  (ISF college of Pharmacy, Moga, Panjab, INDIA)  <b>Matrine mediated neuroprotective potential in experimental Multiple Sclerosis: Evidence from CSF, blood markers, brain samples and in-silico investigations</b></p>
	<p><b>5:10pm-5:30pm</b></p>	<p><b>IT31: Dr. Sheikh Tasduq Abdullah</b>  (IIIM, Jammu, INDIA)  <b>Biological Basis of Metabolic Dysfunction-Associated Steatohepatitis (MASH) and Therapeutic Role of Natural Products</b></p>
	<p><b>5:30pm-5:50pm</b></p>	<p><b>IT32: Prof. Rashmi Singh</b> (Banaras Hindu University, Varanasi, INDIA)  <b>Implications of environmental pollutant Inhalation: A possible therapeutic approach towards Pulmonary fibrosis</b></p>
	<p><b>5:50pm-6:10pm</b></p>	<p><b>IT33: Dr. Nitin Kumar Singhal</b>  (NABI, Mohali, Punjab, INDIA)  <b>Harnessing the Therapeutic Potential of Ginger-Derived Extracellular Vesicles in Type 2 Diabetes: A Multi-Faceted Approach Targeting Glucose, Lipid Metabolism, and Beta Cell Protection</b></p>
<p><b>5:00pm to 6:00pm</b>  <b>Venue: ICSSR Hall-II, PU, Chandigarh</b></p>	<p><b>Young Scientist Award Session-3</b>  <b>Chairperson:</b>  <b>Prof. Deepak Kumar</b> (North Carolina Central University, Durham, USA)  <b>Dr. Anil Mukund Limaye</b> (IIT, Guwahati, INDIA)</p>	
	<p><b>OP13: Ragni Gupta</b>  (CSIR-IIIM, Jammu, INDIA)</p>	<p><b>Molecular mechanisms underlying Ultraviolet-B Radiation induced premature Senescence in Human Dermal Fibroblasts: Therapeutic Role of Natural Products</b></p>
	<p><b>OP14: Rakesh Kumar Dhritlahre</b>  (CSIR-IHBT, Palampur, HP, INDIA)</p>	<p><b>Formononetin-Vitamin E Conjugate Synergistically Support Adipogenesis, Attenuates Oxidative Stress, and Restores Insulin Sensitization in Differentiated Preadipocytes</b></p>
	<p><b>OP15: Simrandeep Kaur</b>  (GNDU, Amritsar, INDIA)</p>	<p><b>Hemidesmus indicus (L.) R. Br. root fraction possess radical scavenging activity and ameliorates H<sub>2</sub>O<sub>2</sub> induced oxidative stress in human blood lymphocytes</b></p>
	<p><b>OP16: Souvik Karmakar</b>  (GNDU, Amritsar, INDIA)</p>	<p><b>Understanding the Antiviral Potential of <i>Azadirachta indica</i> Bark Extract and <i>Tinospora cordifolia</i> Stem Extract against Murine <math>\beta</math>- Coronavirus Infections</b></p>
	<p><b>OP17: Daiahun Thabab</b>  (North-Eastern Hill University, Shillong, INDIA)</p>	<p><b><i>Potentilla fulgens</i> ameliorates AMPK<math>\alpha</math>1 and <math>\alpha</math>2 in brain of alloxan-induced diabetic mice</b></p>
	<p><b>OP18: Vibhisha Vaghasi</b>  (Gujarat Biotechnology University, Gujarat, INDIA)</p>	<p><b>Exploring potential cross-reactive peptides to combat leptospirosis: An immunoinformatic Approach</b></p>
<p><b>6:15pm to 7:00pm</b>  <b>Venue: Golden Jubilee Hall, PU, Chandigarh</b></p>	<p><b>Panel Discussion</b>  <b>SESSION: NUTRACEUTICALS FROM LAB TO CLINICS: THE WAY FORWARD</b></p>	
<p><b>7:00 pm onwards</b></p>	<p><b>Banquet</b>  <b>Venue: Alumni Gardens, PU, Chandigarh</b></p>	



**DAY 3**

**February 24<sup>th</sup> 2024 (Saturday)**

9:00am to 11:05am	<b>PS4: Plenary Session-4</b>		
Venue: Golden Jubilee Hall, PU, Chandigarh	<b>SESSION: NANONUTRACEUTICAL THERAPY</b> <b>Chairperson:</b> <b>Prof. Girish J. Kotwal</b> (Univ. of Louisville, Kentucky) <b>Dr. Murali Yallapu</b> (University of Texas Rio Grande Valley, McAllen, USA)		
9:00am-9:25am	<b>PT18: Dr. Murali Yallapu</b> (University of Texas Rio Grande Valley, McAllen, USA)	Natural compound-based nanomedicine for cancer therapy	
9:25am-9:50am	<b>PT19: Dr. Ruby John Anto</b> (Institute of Advanced Virology, Thiruvananthapuram, INDIA)	Uttroside B: A novel drug candidate against Non-alcoholic steatohepatitis and hepatocellular carcinoma	
9:50am-10:15am	<b>PT20: Prof. Indu Pal Kaur</b> (Panjab University, Chandigarh, INDIA)	Newer Healthcare Paradigm: Unveiling Nano-nutraceuticals	
10:15am-10:40am	<b>PT21: Prof. Minni Singh</b> (Punjabi University, Patiala, INDIA)	Nutraceuticals and the nanotechnology intervention: towards complementary supportive therapies	
10:40am -11:05am	<b>PT22: Dr. Jiban Jyoti Panda</b> (INST, Mohali, INDIA)	BBB Breaching Amino-acid Nanoassemblies: Exemplified as Anti-glioma and Anti-Amyloid Agents	
11:05am to 11:30am	<b>Tea</b>		
11:30am to 12:50pm	<b>IT9: Invited Talks-9</b> <b>SESSION: NUTRACEUTICALS FOR WELLNESS</b>		
Venue: Golden Jubilee Hall, PU, Chandigarh	<b>Chairperson:</b> <b>Dr. Manish K. Tripathi</b> (University of Texas, McAllen, USA) <b>Dr. Sumit Aggarwal</b> (ICMR, New Delhi, INDIA)		
11:30am-11:50am	<b>IT34: Dr. Vishvanath Tiwari</b> (CU, Rajasthan, INDIA)	Combating carbapenem-resistant Acinetobacter baumannii using plant secondary metabolite naringin derivative targeting its AdeABC efflux protein	
11:50am-12:10pm	<b>IT35: Prof. Bikash Medhi</b> (PGIMER, Chandigarh, INDIA)	Clinical Trial for Food and Food with Medicinal Properties	
12:10pm-12:30pm	<b>IT36: Dr. Ravindra Pal Singh</b> (Gujarat Biotechnology University, Gujarat, INDIA)	Glycogenomics of the human gut bacteria in health and diseases	
12:30pm-12:50pm	<b>IT37: Dr. Monika Garg</b> (NABI, Mohali, INDIA)	Harnessing Nutraceutical Potential: NABI's Journey with Anthocyanin-Enriched Black Wheat	

<b>11:50am to 12:50pm</b> <b>Venue: ICSSR Hall-I, PU, Chandigarh</b>	<b>P A R A L L E L S E S S I O N S</b>	<b>Young Scientist Session-4</b> <b>Chairperson:</b> <b>Prof. Archana Bhatnagar</b> (Panjab University, Chandigarh) and <b>Prof. Ritu Aggarwal</b> (PGIMER, Chandigarh, INDIA)	
		<b>OP19: Dr. Nidhi Mahajan</b>	<b>Synthesis and characterization of peanutshell-Bioscaffold: A promising 3-D paradigm candidate for tissue engineering and translation</b>
		<b>OP20: Dr. Nilanjana Basu</b> (Amity University, Uttar Pradesh, INDIA)	<b>The Anti-Epithelial-Mesenchymal Transition Property of <i>Arnica montana</i> in Triple-Negative Breast Cancer is Linked to Mitochondria-Mediated Apoptosis</b>
		<b>OP21: Mangala Hegde</b> (IIT, Guwahati, INDIA)	<b>Reserpine-Mediated Inhibition of Triple-Negative Breast Cancer Cell Proliferation and Metastasis via Targeting NGALR and Inducing Ferroptosis: A Therapeutic Perspective</b>
		<b>OP22: Dr. Payal Rani</b> (Manav Rachna International Institute of Research and Studies, Faridabad, INDIA)	<b>Milk miRNAs: The potential nutraceutical and functional food</b>
		<b>OP23: Dr. Ragini Singh</b> (Academy of Scientific and Innovative Research, Ghaziabad, INDIA)	<b>Interplay of Genetic Variations in <i>p53</i> and MDM2: Impact on MMP-2 and MMP-9 Gene Expression in Oral Carcinogenesis, and the Potential Therapeutic Role of Resveratrol and Its Analogues</b>
		<b>OP24: Abhishek Goel</b> (CSIR-IHBT, Palampur, HP, INDIA)	<b>Benzosuberene-alkyl sulfones inhibit mitotic clonal expansion, encourage mitochondrial non-shivering thermogenesis, and induce beige in differentiated white adipocytes</b>
<b>1:10pm to 2:30pm</b>	<b>Lunch break</b> <b>Venue: Golden Jubilee Hall (Lawns), PU, Chandigarh</b>		
<b>2:30pm to 4:00pm</b> <b>Venue: Golden Jubilee Hall, PU, Chandigarh</b>	<b>Valedictory and Prize distribution</b>		
<b>4:00pm to 4:30pm</b>	<b>High Tea</b>		