

YOUNG SCIENTIST AWARD PRESENTATIONS (ALL SECTIONS)		
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1.	BOTANICAL DISCRIMINATION OF INDIAN BEE POLLEN BASED ON POLYPHENOLIC COMPOSITION AND ANTIOXIDANT ACTIVITY: A MULTIVARIATE APPROACH - Mamta Thakur <sup>1*</sup> and Vikas Nanda <sup>1</sup>	YA-01
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4.	ANTIBIOFILM POTENTIAL OF BIOSURFACTANT PRODUCED BY FOOD ISOLATE ENTEROCOCCUS FAECIUM - Surbhi Goyal* and Jagdish Singh	YA-04
5.	NANOREINFORCED BIODEGRADABLE FOOD PACKAGING FILM FOR THE ENHANCEMENT OF SHELF LIFE OF INDIAN TOMATO - Balwinder Singh Soodh <sup>1</sup> and Manpreet Kaur Mann <sup>1*</sup>	YA-05
6.	ENVIRONMENTAL EFFECTS ON FISH DIVERSITY OF NANGAL WETLAND - Vaishali* and Dr. S.S. Hundal	YA-06
7.	DOES NO-TILLAGE WITHOUT RESIDUE RETENTION SEQUESTER AND STABILIZE CARBON IN SURFACE AND SUB-SURFACE SOIL LAYERS? - Shahida Nisar*a, Dinesh Kumar Benbia	YA-07
8.	CULTIVATION OF MIXED MICROALGAE POPULATION IN OPEN AIR POND AND ITS VALORIZATION TO BIOGAS - Rouf Ahmad Dar <sup>1*</sup> , Urmila Gupta Phutela <sup>2</sup>	YA-08
9.	OPTIMIZATION OF PROTOCOL FOR INDOOR VERTICAL GARDEN USING DIFFERENT NUTRIENT FORMULATIONS AND LIGHT INTENSITIES - Bharti Gauta	YA-09
10.	CELLULAR BIOMARKERS IN MONITORING UNTREATED SEWAGE WATER INDUCED PHYSIOLOGICAL STRESS IN FISH LABEO ROHITA - Reetu Bhanot*, S.S. Hundal	YA-10
11.	WINTER MIGRATION OF HIMALAYAN BULBUL - Sachin Kumar and Tejdeep Kler	YA-11
12.	IMPACT OF TERMINAL HEAT STRESS ON PHENOPHASES, PHOTOSYNTHETIC TRAITS AND SEED FILLING IN (B JUNCEA L.) - Harmandeep Kaur , 1Pushp Sharma and 1Virender Sardana	YA-12
13.	UTILIZATION OF APPLE POMACE FIBRE FOR THE PREPARATION OF FIBRE ENRICHED APPLE JUICE - Kanika Issar	YA-13
14.	ਸਿੱਠੇ ਦੇ ਫਲ ਅਤੇ ਕੈਲਸ ਰਾਹੀਂ ਤਿਆਰ ਕੀਤੇ ਈਕੋ ਫ੍ਰੈਂਡਲੀ ਸਿਲਵਰ ਨੈਨੋਪਾਰਟੀਕਲਜ਼ ਦੀ ਐਂਟੀਐਕਸੀਡੈਂਟ ਅਤੇ ਰੋਗਾਣੂਨਾਸ਼ਕ ਪੜਤਾਲ, ਪੁਸ਼ਾ ਮਨਚੰਦਾ <sup>1</sup> , ਅਨੂ ਕਾਲੀਆ <sup>2</sup> ਅਤੇ ਜੀ.ਐਸ. ਸਿੱਧੂ	YA-14
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17.	EFFECT OF PH, HIGH-INTENSITY ULTRASOUND, AND HEAT TREATMENT ON THE FEATURES AND PERFORMANCE OF LYSOZYME INCORPORATED FILMS DEVELOPED FROM QUINOA PROTEIN ISOLATES - Nisar A. Mira*, Charanjit S. Riara, Sukhcharn Singha	YB-03
18.	TO STUDY THE APPLICATION OF BACTERIOCIN PRODUCED BY LACTOBACILLUS ACIDOPHILUS NCDC 343 TO ENHANCE THE SHELF LIFE OF APPLE JUICE - Jyotsna Tandon <sup>1 2</sup> , Aruna bhatia <sup>1</sup> , Reetu, <sup>2*</sup> Manpreet Saini <sup>1</sup>	YB-04
19.	EFFECT OF DICHROIC DYES AND NANO SCALE PARTICLES ON THE ELECTRO OPTIC PERFORMANCE OF POLYMER DISPERSED LIQUID CRYSTAL: AN ADVANCEMENT IN DISPLAY APPLICATIONS - Vandna Sharma, b* and Pankaj Kumar	YB-05
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21.	COMPARATIVE STUDIES OF EU <sup>3+</sup> AND TB <sup>3+</sup> MACROCYCLIC COMPLEXES:	YB-07

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22.	NEUROPROTECTIVE AND NEPHROPROTECTIVE EFFECTS OF NOVEL EPALRESTAT-BASED MUTUAL-PRODRUGS IN RAT MODEL OF TYPE 2 DIABETES - Shalki Choudhary*, Om Silakari	YB-08
23.	BIOTECHNOLOGICAL STRATEGIES FOR THE PRODUCTION OF GALACTOOLIGOSACCHARIDES USING FUNGAL B-GALACTOSIDASE - Rupinder Kaur1*, Parmjit S. Panesar1 and Ram S. Singh2	YB-09
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28.	STRUCTURAL STUDIES OF STRONTIUM TELLURITE GLASS AND ANTI-GLASS PHASES BY HIGH ENERGY X-RAY DIFFRACTION, REVERSE MONTE CARLO SIMULATIONS AND RAMAN SPECTROSCOPY – Rajinder Kaur1a) and Atul Khanna1	YC-05
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30.	SMALL PEPTIDES IN ORGANOCATALYSIS: ASYMMETRIC ALDOL REACTION MEDIATED BY AN ION-TAGGED PROLINE-HISTIDINE DIPEPTIDE - Avtar Singh and Srinivasan Easwar*	YC-07
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33.	COMPARISON OF DC ARMATURE CONTROLLED MOTOR DESIGN USING MATHEMATICAL MODELING AND TRANSFER FUNCTION MODELING IN SIMULINK - Joncy Jindal1, Komal2	YD-03
34.	IMPACT OF CONTROLLED AND UNCONTROLLED CHARGING OF ELECTRICAL VEHICLES ON A RESIDENTIAL DISTRIBUTION GRID - Kunal Kumar	YD-04
35.	MAKING OF DHOOPBATTI FROM WASTE FLOWERS - Shailender*, Omkar, Simranjit singh , Navneet Kaur Bhullar	YD-05
36.	APPLICATION OF SUSTAINABLE SOLVENTS IN THE EMULSION LIQUID MEMBRANE (ELM) BASED SEPARATION PROCESSES - Anil Kumar*, Avinash Thakur2, Parmjit Singh Panesar3	YD-06
37.	ELECTRON BEAM WELDING OF DUPLEX STAINLESS STEEL: CORROSION BEHAVIOR OF WELD METAL - Jastej Singh*, A.S. Shahi	YD-07
38.	WIRELESS SENSOR NETWORK ON ENERGY SAVING ALGORITHM - Karminder Singh	YD-08
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40.	ELIMINATION OF DEFECTS IN FOOTWEAR INDUSTRIES BY QUALITY CIRCLE - Rishabh Bhardwaj ,Aman, Abhilash Mishra , Md. Tarique Anwar	YD-10
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43.	METHODS OF QUALITY CONTROL PREPARATION IN IMMUNOHISTOCHEMISTRY - Gagandeep Kaur, Sankalp Sancheti, Akash Pramod Sali, Puneet Somal	YE-02
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45.	THERAPEUTIC EFFECT OF BOERHAAVIA DIFFUSA L. ON SCANNING ELECTRON MICROSCOPY OF DISSOCIATED PANCREATIC ACINAR CELL SURFACES INDUCED BY FLUORIDE - Shashi A*; Ruhi Thakur	YE--04
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5.	CROSS-LINKED CELLULASE ENZYME AGGREGATES (CLEA): AN EFFECTIVE TOOL TO IMPROVE ENZYME CHARACTERIZATION - Jagdish Singh	AO-05
6.	PYRIDOXAL KINASE: A DRUG TARGET CANDIDATE FOR VISCERAL LEISHMANIASIS - Vinay Kumar <sup>1</sup> and Sushma Singh <sup>1*</sup>	AO-06
7.	AMELIORATION AND DEPURATION OF BIOACCUMULATED CHROMIUM IN FLESH OF CYPRINUS CARPIO <sup>1</sup> - Manmeet Pal Kaur <sup>1*</sup> , J K Kondal <sup>1</sup> and Shanthanagouda A H <sup>2</sup>	AO-07
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9.	CYTOMORPHOLOGICAL INVESTIGATIONS IN SOME MEMBERS OF CACTACEAE FROM NORTH-WEST INDIA - M.I.S. Saggoo, Arneet Grewal and Hardeesh Kaur*	AO-09
10.	CYTOMORPHOLOGICAL INVESTIGATION IN SOME MEDICINAL PLANTS OF LAMIACEAE FROM KASHMIR HIMALAYAS - Arneet Grewal and Farhana Wani*	AO-10
11.	RESPONSE OF RATTUS RATTUS TOWARDS CONSPECIFIC URINARY PHEROMONES- Nidhi Garg* and Neena Singla	AO-11
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2.	DECADAL VARIATION IN WEATHER FORECAST ACCURACY AT LUDHIANA, PUNJAB- Bhawna Sharma, K K Gill and Kavita Bhatt	AP-02
3.	DIVERSITY IN FISH POND AND PADDY FIELD ECOSYSTEMS OF LUDHIANA, PUNJAB- Deepey Bhardwaj* and G.K. Sehgal	AP-03
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**[SECTION B] - APPLIED CHEMISTRY, APPLIED PHYSICS, SUGAR TECHNOLOGY, PHARMACY, FOOD TECHNOLOGY AND TEXTILE CHEMISTRY**

ORAL PRESENTATIONS (Section B)		
Sr. No.	Title/Authors	I.D. No.
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4.	USER AUTHENTICATION USING HYBRID APPROACH FOR BIOMETRIC SECURITY BY FUSING FACE AND FINGERPRINT TRAITS- Surender Kumar <sup>1</sup> , Professor (Dr.) R.K Bathla <sup>2</sup> , Dr. Rajan Manro <sup>3</sup>	DO-04
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