

Global Congress On Biotechnology, Nanotechnology, Energy & Environment (25th – 26th April, 2018)

Organized By

MEDIMAA Conferences & DCR University of Sc. & Tech.

DETAILS OF TECHNICAL SESSIONS	
DAY 1 (Wednesday, April 25, 2018)	
Technical Session –I (12:00 noon - 01:30 p.m.)	Biotechnology-I
Invited Lecture –I	DR. DINESH KUMAR, PRINCIPAL SCIENTIST, CENTRE FOR AGRICULTURAL BIOINFORMATICS (IASRI)
Topic:	COMPUTATIONAL GENOMICS APPROACH FOR ANTIMICROBIAL PEPTIDES (AMP) DISCOVERY.
Oral Presentations	
OBT1	PRODUCTION, CHARACTERIZATION AND APPLICATIONS OF BIOSURFACTANT FROM A NEWLY IDENTIFIED YEAST <i>PICHLA SORBITOPHILA</i> WG1. Vidur Bhatia and Baljeet Singh Saharan Microbial Resource Technology Laboratory, Department of Microbiology, Kurukshetra University, Kurukshetra, Haryana
OBT2	ANTIFUNGAL ACTIVITIES OF MEDICINAL PLANT EXTRACTS AGAINST PLANT PATHOGENIC FUNGI Ashmita*, Deepika Sharma and Anju Ahlawat Department of Botany, PGGCG, Chandigarh
OBT3	INVESTIGATION ON THE BIOSORPTION OF COPPER METAL BY LIVING BIOMASS OF <i>RHIZOPUS ARRHIUS</i> Jyoti Chauhan ¹ and Geeta Singh ² Department of Botany, Kurukshetra University, Kurukshetra, Haryana, India
OBT4	ADULT STEM CELL AND AYURVEDIC CONCEPTS OF CELL PHYSIOLOGY (DOSHA – DHATU – MAL – MOOLA) AND THEIR EQUILIBRIUM FOR REGENERATIVE MEDICINE. Dr.Kamakshi Saraswati
OBT5	APOPTOSIS IS A MAJOR PATHOGENIC EVENT FOR SEVERAL IMPORTANT VIRAL AND BACTERIAL PATHOGENS Kapil Gaur ¹ , Kavita Kaushik ² Deenbandhu Chottu Ram University of Science & Technology, Murthal, Sonapat
OBT6	STUDIES ON BIOLOGICAL EFFICIENCY OF VARIOUS STRAINS OF SHIITAKE MUSHROOM. Sujata Makkar ^{1,2*} , Ajay Singh ¹ , and Kiran Nehra ² HAIC Agro Research & Development Centre, Murthal, Sonapat, Haryana, India.
Technical Session –II	Energy- I

(02:30 p.m – 04:00 p.m.)	
Invited Lecture –I Topic:	DR. REENA ARORA, NEW DELHI AYURVEDA IN BIOTECHNOLOGY
OEN1	LPG–DIESEL DUAL FUEL ENGINE Himanshu Upadhyay, Ajay Bidhuri, Paramjeet Singh Department of Automobile Engineering, Manav Rachna International Institute of Research and Studies, Faridabad, Haryana, India
OEN2	SOLAR DRYER IN INDIA Bhagat Singh, Suraj Sharma, Rishabh Singh, Prashant Bhardwaj Department of Mechanical Engineering, Manav Rachna University, Faridabad, Haryana, India
OEN3	A COMPREHENSIVE STUDY OF DIFFERENT BUILDING INTEGRATED PV MODULES Mukul Bhatia*, Krishan Mohan Vashisht, Piyush Mahendru Department of Mechanical Engineering, Manav Rachna University, Faridabad, Haryana, India
OEN4	ENERGY HARVESTING THROUGH PIEZOELECTRICITY Gautma Ahuja, Moh. Badrul Manav Rachna University, Faridabad, Haryana, India, 121004
OEN5	HEAT TREATMENT EFFECT ON MECHANICAL PROPERTIES OF AUSTENITIC STAINLESS STEEL: REVIEW REPORT Nazim Hussain, Himanshu Gulati, Azharuddin, Nazish Ahmad Shamsi Department of Mechanical Engineering, Manav Rachana University, Faridabad- 121004, Haryana, India
OEN6	DIELECTRIC FLUID EFFECTS ON ELECTRICAL DISCHARGE MACHINING Rahul Lamba, Rajeev Singh, Mukul Chaudhary, Jai Prakash Sharma Department of Mechanical Engineering, MRU, Faridabad, Haryana, India
OEN7	JAWAHARLAL NEHRU NATIONAL SOLAR MISSION IN INDIA Sachin balyan, F. Jahan Manav Rachna International Institute of Research and Studies, Faridabad, India, 121004
Technical Session –III (04:15 p.m. - 05:45 p.m.)	
Biotechnology II	
Invited Lecture –I Topic:	PROF. S.K. GAHLAWAT, PROFESSOR, CDLU, SIRSA RECENT ADVANCEMENTS IN DIAGNOSTIC METHODS FOR NUCLEIC ACID AMPLIFICATION.
Oral Presentations	
OBT1	EFFECT OF CUMINUM CYMINUM (L.) AND OCIMUM SANCTUM ON GROWTH OF MOLD STRAINS IMPLICATED IN SPOILAGE OF FRUITS AND VEGETABLES Mamta Bhatia* and Alka Sharma Department of Food Technology, ,Guru Jambheshwar University of Science and Technology, Hisar-125001, Haryana, India.
OBT2	EVOLUTIONARY ENGINEERING OF KLUYVEROMYCES MARXIANUS STRAIN FOR LACTOSE VALORISATION FROM LACTOSE RICH WHEY Priyanka Saini, Arun Beniwal and Shilpa Vij Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Haryana
OBT3	BIOREFINING OF LIGNOCELLULOSIC BIOMASS FOR BIOFUELS AND VALUE-ADDED PRODUCTS Sachin Kumar Biochemical Conversion Division, Sardar Swaran Singh National Institute of Bio-Energy, Kapurthala-144601, India
OBT4	VALUE ADDITION AND PROMOTION OF UNDERUTILIZED INDIGENOUS FOOD RESOURCES FOR FOOD SECURITY Dr. Savita Budhwar Department of Nutrition Biology, Central University of Haryana, Mahendergarh, Haryana.

OBT5	OPTIMASER™ A NOVEL DEVICE/TECHNOLOGY FOR DISINFECTION OF BIOMEDICAL WASTE Sushil Kumar Singh BITS Hyderabad
OBT6	NANOMATERIAL COMPOSITE IMMUNOSENSOR FOR RAPID DETECTION OF HIV p24 ANTIGEN Anita Dalal, Shubham Kurmi, Ashok Kumar and J.S. Rana 1Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat- 131027 2 Institute of Genomics and Integrative Biology, Mall Road, Delhi-110007
DAY 2 (Thursday 26th April 2018)	
Technical Session –IV (09:30 a.m. - 11:00 a.m.)	Environment
Invited Lecture –I Topic:	PROF. RAJESH DHANKAR, PROFESSOR, MDU, ROHTAK GREEN TECHNOLOGY FOR BIOETHANOL PRODUCTION
Oral Presentations	
OEV1	ELIMINATION OF HEAVY METALS ON THE SURFACE OF PLANT PRODUCTS Author name Kiran bala pt. N.R.S govt college Rohtak
OEV2	PLASTIC ANTIBODY FOR REMOVAL OF KANAMYCIN RESIDUE FROM ENVIRONMENTAL SAMPLES Gulab Singh Department of Biotechnology, Central University of Haryana, Mahendergarh-123031
OEV3	EVALUATION OF INTAKE OF SELECTED HEAVY METALS BY VARIOUS VEGETABLES. Nitika Rania and Reeti Chaudhry Institute of Environmental Studies, Kurukshetra University, Kurukshetra.
OEV4	A REVIEW REPORT ON GREEN MANUFACTURING Mohit Hooda, Rohit, Jai singh, Neeraj Lamba Manav Rachna International Institute of Research and Studies, Faridabad, India, 121004
OEV5	ENVIRONMENTAL IMPACT OF MINING ACTIVITIES IN TOSHAM, (BHIWANI), HARYANA Savita kumari, Ishwer Singh, Naresh kumar, Naresh Kochhar Kurukshetra University, Kurukshetra – 132117
OEV6	PRODUCTION OF FUEL OIL FROM WASTE PLASTICS Raminder Kaur
OEV7	STUDIES ON BIODEGRADATION OF POLYAROMATIC HYDROCARBONS BY THE ISOLATES FROM OIL CONTAMINATED SITES OF PUNJAB. Bulbul Gupta ¹ , Sanjeev Puri ² and Jaspreet Kaur ^{2*} ¹ Department of biotechnology, DCRUST, Murthal, Sonapat. ^{2*} & ² Biotechnology Branch, U.I.E.T, Panjab University, Chandigarh
Technical session –V (11:30 a.m. - 01:00 p.m.)	Nanotechnology
Invited Lecture –I Topic:	PROF. ASHOK KUMAR, CHIEF SCIENTIST, CSIR-IGIB, NEW DELHI DNA AND RNA SENSORS FOR DETECTION OF PATHOGENIC INFECTION IN HUMANS.

Oral Presentations	
ONT1	AN IMPROVED AMPEROMETRIC NANO-COMPOSITE BASED BIOSENSOR FOR THE DETECTION OF PYRUVATE” Mansi, Reeti Chaudhary, C.S. Pundir Department of BioTechnology, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana
ONT2	ROLE OF NANOMATERIALS FOR HYDROGEN SENSING AND STORAGE APPLICATIONS Dr. Nitin K. Puri Department of Applied Physics, Delhi Technological University, Delhi-110042, India.
ONT3	DESIGN AND ANALYSIS OF INDUSTRIAL HELMET Deepanshu Kalra, Gurpreet singh, Rahul Malik, J. Singh Department of Mechanical Engineering, Manav Rachna University, Faridabad, India - 121004.
ONT4	REVIEW ON EFFECTS OF FRICTION STIR WELDING OF DIFFERENT MATERIALS Gianender Kajal, Shivam Bansal, Motiur Rehman, Rahul Malik, Manjit Singh.
ONT5	STUDY OF COMPOSITE MATERIALS Uday Pratap Singh Department of Mechanical Engineering, FET-MRIIRS, Faridabad, India.
ONT6	AN IMPROVED AMPEROMETRIC TRIGLYCERIDE BIOSENSOR BASED ON CO-IMMOBILIZATION OF NANOPARTICLES OF LIPASE, GLYCEROL KINASE AND GLYCEROL 3-PHOSPHATE OXIDASE ONTO PENCIL GRAPHITE ELECTRODE Vinay Narwall, C.S.Pundir Department of Biochemistry, M.D. University, Rohtak (Haryana) India.
ONT7	EXCITED ELECTRONIC STATE DYNAMICS OF MOLECULES AND NANOPARTICLES Mohan Singh Mehata Laser-Spectroscopy Laboratory, Department of Applied Physics, Delhi Technological University, Bawana Road, Delhi.
Technical session –VI (02:00 p.m.-03:30 p.m.)	Energy-II
Invited Lecture –I	PROF. P.K. JAIWAL, PROFESSOR, CENTRE FOR BIOTECHNOLOGY, MDU, ROHTAK.
Topic:	TRANSGENICS TECHNOLOGIES AND GENETICALLY MODIFIED CROPS.
Invited Lecture –II	PROF. CHITRAREKHA KABRE, PROFESSOR, DEPARTMENT OF ARCHITECTURE
Topic:	BUILDING ENERGY EFFICIENCY STANDARDS IN INDIA.
Oral Presentations	
OEN1	DETERMINATION OF THE OPTIMAL TILT ANGLE FOR SOLAR PHOTOVOLTAIC PANEL, Faridabad, India Amit Kumar, Surya Pratap Singh, Shrey Rajput, Sudhir Chaudhary Department of Mechanical Engineering, Manav Rachna University, Faridabad, Haryana
OEN2	STUDY OF SOLAR ASSISTED AIR CONDITIONING SYSTEM BASED ON EJECTOR CYCLE Swapnil Pandey, Manish Kumar Manav Rachna International Institute of Research and Studies, Faridabad, India, 121004
OEN3	INVENTORY MANAGEMENT Vaibhav, Sunil Kumar Manav Rachna International Institute of International Institute of Research and Studies,

	Faridabad, India, 121004
OEN4	ACTIVE SOLAR STILL FOR WATER DISTILLATION PRODUCTION Amit Dagar Manav Rachna University
OEN5	BLADE FAILURE IN GAS TURBINES Abhinav Dahiya Manav Rachna University
OEN6	DRY EDM BY USING SUPER ALLOY Piyush Vashishta Manav Rachna International Institute of Research and Studies.
OEN7	THE ACTIVE DRIVER DROWSINESS MONITORING SYSTEM USED IN VEHICLES. Shagun Sharma, Puneet Kumar, Ajay Kumar Bhiduri, Nitin Waghmare. Department of Automobile Engineering, Manav Rachna International Institute of Research and Studies, Faridabad, India

LIST OF POSTERS

Ps. No.	Title
	Biotechnology
PBT-1	CHOEROSPONDIA AXILLARIS AN UNDERUTILIZED FRUIT EFFECT ON BREAST CANCER CELL LINE (MDA-MB-231) Sonia Mann* Deenbandhu Chotu Ram University of Science and Technology, Murthal
PBT-2	ENDOPHYTES ISOLATED FROM TINOSPORA CORDIFOLIA- A PROMISING SOURCE OF POTENTIAL BIOACTIVE METABOLITES. Priti and Sulekha Rani Kurukshetra University, Kurukshetra - Haryana, India
PBT-3	PURIFICATION AND PRODUCTION OF POLYCLONAL ANTIBODIES AGAINST DECAPRENYL DIPHOSPHATE SYNTHASE ENZYME. Honey Yadav* and Pawan K. Jaiwal Centre for Biotechnology, M. D. University, Rohtak
PBT-4	COMPUTATIONAL IDENTIFICATION OF NOVEL GENES IN PEDIOCOCCUS ACIDILACTICI ZPA017 Poonam Bansal, Raman Kumar and Suman Dhanda* Kurukshetra University, Kurukshetra - Haryana,
PBT-5	ISOLATION AND CHARACTERIZATION OF BACTERIOPHAGE AGAINST PATHOGENIC BACTERIA <i>Staphylococcus aureus</i> Richa Gandhi, Kirti Gupta, Shikha Malik, Kiran Nehra*, J S Rana Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat.
PBT-6	TRANSCRIPTOME SEQUENCING OF DIPLOID WHEAT, TRITICUM MONOCOCCUM FOR MAPPING FLAG LEAFLESS MUTATION Satish Kumar ¹ * J. S. Rana ² and P. K. Jaiwal ¹ Centre for Biotechnology, M.D. University, Rohtak, Haryana
PBT-7	ISOLATION AND IDENTIFICATION OF CELLULOSE DEGRADING BACTERIA FROM SOIL SAMPLE AND ESTIMATION OF THEIR CELLULASE PRODUCTION. Mridul Pasricha, Dr. Pamela Singh Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat
PBT-8	UNDERSTANDING OF TWO COMPONENT HIGH-AFFINITY NITRATE UPTAKE SYSTEM IN WHEAT Amresh Kumar ^{1,2} , Aditi Arya ² , Pranab Kumar Mandal ¹ and Subodh Kumar Sinha ¹ National Research Centre on Plant Biotechnology, LBS Building, IARI

PBT-9	STAGE DEPENDENT VARIATION IN FERMENTATIVE ENZYMES IN RICE (ORYZA SATIVA L.) VARIETIES Anjali Dahiya*, Ritu Sainib and Sunita Jainc Department of Biotechnology, DCRUST, Murthal-131039
PBT-10	ROLE OF EXOGENOUSLY APPLIED MELATONIN ON PHOTOSYNTHETIC ACTIVITY AND GROWTH PARAMETERS OF BLACKGRAM (VIGNA MUNGO) UNDER NaCl STRESS Darshna Chaudhary1* and Manish Sainger Centre for Biotechnology, Maharshi Dayanand University Rohtak-124001, Haryana
PBT-11	EFFICIENT IN VITRO REGENERATION PROTOCOL OF INDICA RICE VARIETY IR64 USING SCUTELLUM DERIVED CALLI Deep Shikha Birla and Pawan K. Jaiwal Address: Centre for Biotechnology, M. D. University, Rohtak
PBT-12	IN – SILICO DRUG DESIGNING –A NOVEL COMPUTATIONAL TOOL AGAINST ENVELOPE PROTEINS OF DENGUE VIRUS Kiran Nehra*1, Arushi Batra1, and Amit Phogat1 Department of Biotechnology, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat
PBT-13	COVALENT IMMOBILIZATION OF LACTATE OXIDASE ONTO ZN SILICA NANOPARTICLES/ CHITOSAN HYBRID FILM FOR AMPEROMETRIC DETERMINATION OF LACTATE Kusum Dagar Maharshi Dayanand University.
PBT-14	BIOSENSORS AS AN INNOVATIVE PLATFORM FOR THE DETECTION OF PYRUVATE: A REVIEW Mansi1, Reeti Chaudhary1 and C.S. Pundir2 Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana-131039
PBT-15	CRISPR TECHNOLOGIES AND THEIR IMPLEMENTATION IN SCIENTIFIC RESEARCH Meenakshi Sindhu1 Centre for Biotechnology, Maharshi Dayanand University Rohtak
PBT-16	AN INTEGRATED CHIKUNGUNYA VIRUS DATABASE TO FACILITATE THERAPEUTIC ANALYSIS: CHKVDB Mehak Dangi1, Priya Narang1, Renu Chaudhary2 and Anil Kumar Chhillar2 Centre for Bioinformatics, M.D. University, Rohtak.
PBT-17	IBUPROFEN (NSAID) AGAINST ASPERGILLOSIS: A BOON FOR CONVENTIONAL ANTIMYCOTIC MONOTHERAPY? Mrirdula Dangi Narwal and Anil Kumar Chhillar* Centre For Biotechnology, Maharshi Dayanand University, Rohtak, Haryana.
PBT-18	INHIBITION OF VIRULENCE FACTOR OF HELICOBACTER PYLORI BY RICINUS COMMUNIS Neha Sikri and Sunita Dalal Department of Biotechnology
PBT-19	LEGUMES: THE NATURAL PRODUCTS FOR INDUSTRIAL AND MEDICINAL IMPORTANCE- A REVIEW Nidhi Verma1 and Anita R. Sehrawat* *Department of Botany, Maharshi Dayanand University, Rohtak
PBT-20	STRAIN IMPROVEMENT OF THE ISOLATES BY RANDOM MUTAGENESIS FOR HIGHER DEGRADATION OF FLOURENE AND PHENANTHRENE. Nupur Mongre1, Jaspreet Kaur* University Institute of Engineering and Technology, Panjab University Chandigarh
PBT-21	PARTIAL PURIFICATION OF BACTERIOCIN AND DETECTION OF ITS INHIBITORY ACTIVITY AGAINST FOOD SPOILAGE MICROORGANISMS Parveen Kaur Sidhu1 and Kiran Nehra*1 Department of Biotechnology, Deenbandhu Chhotu Ram University of Science & Technology, Murthal
PBT-22	SECONDARY METABOLITES AND ANTIBACTERIAL EFFICACY OF L.INERMIS LEAF

	EXTRACTED IN DIFFERENT SOLVENTS AGAINST SOME PATHOGENIC STRAINS Preeti Sharma*, Anil Sindhu ² and Bindu Battan ¹ Department of Biotechnology, KUK-Haryana
PBT-23	EFFECTIVE TEXTILE EFFLUENT DECOLORIZATION AND DETOXIFICATION BY ISOLATED BACTERIA Rashmi and Bindu Battan Kurukshetra University, Kurukshetra
PBT-24	BACTERIOPHAGES AS POTENTIAL THERAPEUTIC MOLECULES IN TREATMENT OF PEDIATRIC INFECTIONS Renu Jagdish and Kiran Nehra DCRUST
PBT-25	ASSESSING THE PLANT RESPONSE TO POLLUTANTS IN VITRO CULTURE Richa Gupta, Priyanka Pal, Vikas sarsar Pt. C.L.S. Govt. College, Karnal, Haryana, India.
PBT-26	CURRENT RESEARCH ON REJUVENATING AGED HEMATOPOIETIC STEM CELLS, DEVELOPING INNOVATIVE MECHANISM. Samadrita Mandal DCRUST
PBT-27	NON-INVASIVE BLOOD GLUCOSE MONITORING-STATE-OF-THE-ART Sheetal Kumari, Seema Chawla, Poonam Sheoran Deenbandhu Chhotu Ram University of Science & Technology Murthal, Sonapat
PBT-28	CHARACTERIZATION OF THE INTERACTION MECHANISM OF GTP WITH CODY OF BACILLUS ANTHRACIS. Shikha Joon * ^{31a} , Monisha Gopalani ^{1a} , Amit Rahi ^{1a} , Parul Kulshreshtha ^{2b} , Himanshu Gogoi ^{1b} , Sonika Bhatnagar ^{3*} , Rakesh Bhatnagar ^{1**} Jawaharlal Nehru University, New Delhi
PBT-29	PHAGE THERAPY: A NEW APPROACH IN TREATING EMERGING ANTIBIOTIC RESISTANT INFECTIONS Shikha Malik, Richa, Kiran Nehra* and J.S.Rana Deenbandhu Chhotu Ram University of Science and Technology, Murthal 131039, Haryana
PBT-30	IN SILICO STUDY OF METAL BINDING PROTEINS Shilpa*, Bhawna* and Reeti Chaudhary** Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat.
PBT-31	IMMUNO-PCR (PCR AMPLIFIED IMMUNOASSAY): AN INDISPENSABLE TOOL FOR RESOLVING DIAGNOSTIC DILEMMA BETWEEN TUBERCULOMAS AND NEUROCYSTICERCOSIS Sonia Ahlawat ^{1,3} , Surekha Dabla ² , Anish Khan ¹ , Bhawna Dahiya ¹ , Kiran Bala ² , Machiavelli Singh ³ and Promod K. Mehta ^{1*} Centre for Biotechnology, Maharshi Dayanand University (MDU), Rohtak-124001
PBT-32	STUDY OF GENETIC DIVERSITY IN UPLAND COTTON (GOSSYPIUM HIRSUTUM L.) OF COTTON LEAF CURL DISEASE RESISTANT AND SUSCEPTIBLE GENOTYPES BY USING ISSRS *Sonika, R. S. Sangwan and S. Nimbal DCR University of Science and Technology, Murthal, Sonipat, India
PBT-33	SCREENING OF VARIOUS LENTINULA STRAINS (IN-VITRO). Sujata Makkar ^{1,2*} , Ajay Singh ¹ , and Kiran Nehra ² HAIC Agro Research & Development Centre, Murthal, Sonipat, Haryana, India.
PBT-34	INVESTIGATION OF BILE TOLERANCE AND DECONJUGATION ABILITY OF VARIOUS LACTOBACILLUS CASEI GROUP STRAINS Dr. Suman Kandola Deenbandhu Chhotu Ram University of Sciences and technology
PBT-35	ISOLATION AND CHARACTERIZATION OF BACTERIOCINS FROM LACTIC ACID BACTERIA USING MILK SAMPLE Vaani sharma, Rahul Sharma Parveen Kaur Sidhu and Kiran Nehra Deenbandhu Chhotu Ram University of Sciences and technology
PBT-36	ANTIBACTERIAL ACTIVITY OF CRUDE EXTRACTS PREPARED FROM MYCELIA OF

	<p>CORDYCEPS SINENSIS</p> <p>Vikas Kaushik^{1*}, Aditi Arya¹, Anil Sindhu¹, Ajay Singh²</p> <p>¹ Department of Biotechnology, DCR university of science and technology, Murthal, Sonapat</p>
PBT-37	<p>16S RRNA BASED DETECTION OF SALMONELLA ENTERICA IN POULTRY IN HARYANA</p> <p>Vipin Khata, Pamela Singh</p> <p>DCR university of Science and Technology, Murthal, Sonapat, Haryana</p>
PBT-38	<p>A1/A2 MILK AND DIABETES</p> <p>Vipul Chaudhary^{1*}, Gaurav Bhakri, Shivam. K. Dubey^{**}, Pamela Singh², M Mukesh, Monika Sodhi</p> <p>DeenBandhuChhotuRam University of Science and Technology, Murthal</p>
PBT-39	<p>THE PRODUCTION OF ESAT6 AND AG85B ANTIGEN GENES OF TUBERCULOSIS IN PLANTS BY AGROFILTRATION</p> <p>Jyoti Yadav and Ranjana Jaiwal[*]</p> <p>Department of Zoology, M. D. University, Rohtak</p>
PBT-40	<p>PRODUCTION OF TANNASE BY FUNGI IN SUBMERGED AND SOLID STATE FERMENTATION USING AGRO-WASTE</p> <p>Priya, Manjit K. Selwal, Krishan Kumar Selwal[*]</p> <p>Department of Biotechnology, DCR University of Science & Technology, Murthal (Sonapat),</p>
PBT-41	<p>QUANTITATIVE ANALYSIS OF SAPONIN IN ALOE VERA USING HPLC-DAD</p> <p>Ravinder Kumar^{1,2}, Raj Kumar Salar¹, Vinod Chhokar²</p> <p>¹Department of Biotechnology, CDLU, Sirsa.</p>
PBT-42	<p>UPGRADATION OF TANNASE PRODUCTION BY KLEBSIELLA PNEUMONIAE KP715242 THROUGH MUTAGENESIS</p> <p>Mukesh Kumar¹ and Raj Kumar Salar²</p> <p>¹Department of Biotechnology, Ambala College of Engineering and Applied Research, Devsthal-133101, Ambala, Haryana, India</p>
PBT-43	<p>PHYTOCHEMICAL COMPOSITION AND MEDICINAL APPLICATIONS OF MORINGA OLEIFERA: A Brief Discussion</p> <p>Poonam Yadav[*] and Anil Sindhu</p> <p>Deenbandhu chhotu Ram University of Science and Technology, Murthal</p>
PBT-44	<p>ANTIBACTERIAL AND ANTIOXIDANT POTENTIAL OF NYCTANTHES ARBOR-TRISTIS L.; AN AROMATIC AND MEDICINAL SHRUB.</p> <p>Ashok K. Rohilla[*] and Anil Sindhu</p> <p>Department of Biotechnology</p> <p>DCRUniversity of Science and Technology, Murthal- (Haryana)</p>
PBT45	<p>ANTIMICROBIAL ACTIVITY OF SYNTHESISED COPPER(II), COBALT(II) AND ZINC (II) METAL COMPLEXES OF 6-METHOXY-3-FORMYLCHROMONE.</p> <p>Amanveer Singh, Savita Chahal, S. Kumar, Krishan Selwal, Sonia Nain[*]</p> <p>Department of Chemistry, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat 131039, India.</p>
PBT46	<p>STUDY OF MICROORGANISMS ISOLATED FROM VEGETABLE WASTE, USING CULTURABLE AND NON CULTURABLE APPROACH (METAGENOMICS)</p> <p>Rishabh Sharma</p> <p>Centre of Excellence for Energy and Environmental Studies, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana-131039, India.</p>
PBT47	<p>IN VITRO PROPAGATION, PHYTOCHEMICAL ANALYSIS AND MOLECULAR CHARACTERIZATION OF BACOPA MONNIERI (L.) PENNELL</p> <p>Sushma Kumari, Anil Sindhu</p> <p>Department of Biotechnology, Deenbandhu Chhotu Ram University of Science & Technology, Murthal-131039, Sonapat, Haryana, India</p>
PBT48	<p>PURIFICATION AND CHARACTERIZATION OF EXTRACELLULAR TANNASE FROM PENICILLIUM ATRAMENTOSUM KM</p> <p>Manjit K. Selwal^{1, 2}, J. S. Rana¹, Krishan K. Selwal¹, Anita Yadav²</p> <p>¹Department of Biotechnology, DCR University of Science and Technology, Murthal, Sonapat, Haryana</p>
	NANOTECHNOLOGY

PNT-1	NANOCHEMISTRY Arti Sharma Arya adarsh girls college, Madlauda
PNT-2	FABRICATION, PROCESS OPTIMIZATION AND CHARACTERIZATION OF ELECTROSPUN GELLAN-PEG NANOFIBERS FOR BIOMEDICAL APPLICATIONS Anindita Kemprai, Rathindra Mohan Banik School of Biochemical Engineering, Indian Institute of Technology (Banaras Hindu University), Varanasi
PNT-3	CATIONIC DYE (METHYLENE BLUE) REMOVAL FROM AQUEOUS SOLUTION BY USING POLYANILINE NANOFIBERS Monica Duhan Deenbandhu Chhotu Ram University Of Science & Technology, Murthal, Sonipat, Haryana
PNT-4	USE OF SILVER NANOPARTICLES IN COSMETICS Pooja Assistant Professor in Chemistry (Govt. College Israna) Mail Id:- poojajaglan007@gmail.com
PNT-5	IMMUNOSENSORS FOR DETECTION OF HIV p24 ANTIGEN USING NANOPARTICLES Shubham Kurmi 1,2, Manoj Pal2, Anita Dalal1, 3, J. S. Rana3 and Ashok Kumar 1 1 Institute of Genomics and Integrative Biology, Mall Road, Delhi- 110007 2 Graphic Era University, Dehradun- 248001 3 DCR University of Science and Technology, Murthal, Sonipat- 131027
PNT-6	EXPOSURE, TOXICITY AND IMPACT OF NANOMATERIALS TO ECOSYSTEM Akhil Kant Singh*and Dharmender Kumar Department of Biotechnology, Deenbandhu Chhotu Ram University of Science and Technology, Murthal-131039 Sonapat, Haryana, INDIA
PNT-7	PREPARATION, CHARACTERIZATION AND PHOTOLUMINESCENCE CHARACTERISTIC OF TB 3+ DOPED BA5ZN4Y8O21 NANOCRYSTALS Anju Siwach, Heena Dahiya, Dinesh Kumar* Department of Chemistry, Deenbandhu Chhotu Ram University of science and Technology, Murthal, Sonapat, 131039, India
PNT-8	STRUCTURAL AND LUMINESCENCE PROPERTIES OF COMBUSTION SYNTHESIZED RARE EARTH ACTIVATED AND CO-ACTIVATED CAAL2O4 NANO PHOSPHORS Anuj Mittal, Naveen Kumar Department of Chemistry, Maharshi Dayanand University, Rohtak 124001, Haryana, India Email: ajchem33@gmail.com; vermanaveen17@gmail.com
PNT-9	NANOPARTICLE BASED IMMUNOASSAYS FOR THE DETECTION OF PURIFIED MYCOBACTERIUM TUBERCULOSIS PROTEINS Bhawna Dahiya1, Netrapal Singh1, Suman Sharma1, Sonia Ahlawat1, Anish Khan1 V. S. Radhakrishnan2, Tulika Prasad2, Promod Mehta1 1 Centre for Biotechnology, Maharshi Dayanand University, Rohtak, Haryana-124001. 2 Advanced Instrumentation Research Facility (AIRF), Jawaharlal Nehru University, New Delhi-110067.
PNT-10	GREEN SYNTHESIS, CHARACTERIZATION AND EVALUATION OF GOLD NANOPARTICLES USING GANODERMALUCIDIUM EXTRACT Bhawna* and Reeti Chaudhary** *Research Scholar, Department of Biotechnology Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat
PNT-11	CONSTRUCTION OF CHOLESTEROL BIOSENSOR BASED ON TITANIUM OXIDE NANOPARTICLES DECORATED PENCIL GRAPHITE ELECTRODE FOR DETECTION OF SERUM CHOLESTEROL Bhawna Batra1, Vinay Narwal2, Sumit3, Ritu Hooda3, J.S. Rana1 & Minakshi Sharma3* Department of Biotechnology, DCRUST, Murthal (Sonapat)1, Department of Biochemistry, MDU, Rohtak2, Department of Zoology, MDU, Rohtak3

PNT-12	BIO-EFFICACY OF SILVER NANOPARTICLES SYNTHESIZED BY MICROBACTERIUM MITRAE IN CONTROLLING EARLY BLIGHT IN TOMATO J.S. Duhan ¹ , P. Bansal ¹ , P. Kaur ¹ , P.K. Sadh ¹ , R. Sulkh ¹ and A. Kumar ² . Department of Biotechnology, Chaudhary Devi Lal University, Sirsa- 125055, India 2. Centre for Medical Biotechnology, Maharishi Dayanand University, Rohtak- 124001, India
PNT-13	NANOFABRICATION OF EMULSIFIED BSA-MWCNTs NANOHYBRIDS Kirti Rani Assistant Professor III, Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida, Sec-125, Noida-201313 (UP), India. *Corresponding author: Dr Kirti Rani; Mobile no: +91-9990329492
PNT-14	SYNTHESIS AND APPLICATIONS OF BA2Y1-XV3O11: XEU3+ DOPED NANOPHOSPHOR FOR PC-WLEDs Mandeep Dalala, Jyoti Dalal, S.P. Khatkara* aDepartment of Chemistry, Maharshi Dayanand University, Rohtak -124001, India
PNT-15	OPTICAL STUDY OF SYNTHESIZED 1 MOL% DYSPROSIUM DOPED CGZO NANOPHOSPHOR *Manju, *Dinesh Kumar *Department of Chemistry, Deenbandhu Chhotu Ram University of Science and Technology Murthal
PNT-16	A BIOCONJUGATE OF LIPASE WITH POLYPYRROLE-METHYL ANTHRANILATE FUNCTIONALIZED "WORM-LIKE" TITANIUM DIOXIDE NANOCOMPOSITE AS PROMISING NANOBIOCATALYST: OPERATIONAL STABILITY AND MOLECULAR DOCKING INSIGHT Mohd Shamoon Asmatand Qayyum Husain 1Department of Biochemistry, Faculty of Life Sciences Aligarh Muslim University, Aligarh 202002
PNT-17	SYNTHESIS OF CORE-SHELL Fe ₃ O ₄ @TiO ₂ NANOPARTICLES USING HYDROTHERMAL METHOD FOR ENVIRONMENTAL APPLICATIONS Nisha Rani, Dr. B.S. Dehiya Deptt. of Mat. Science & Nanotechnology, DCRUST, Murthal, Sonapat
PNT-18	BIOSYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES USING LEAF EXTRACT OF CALOTROPIS GIGANTEA Nitish Kumar and Reeti Chaudhary Department of BioTechnology DCR University of Science and Technology, Murthal, Sonapat.
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PNT-22	IMPACTS OF NANOTECHNOLOGY ON ENERGY TRANSMISSION & ENVIRONMENTAL REMEDIATION Sandeep Rajan* Dept. of Applied Science, Chaudhary Ranbir Singh State Institute of Engineering & Technology, Silani Kesho, Jhajjar (Haryana)
PNT-23	NANOTECHNOLOGY: PREPARATION, CHARACTERIZATION AND APPLICATION OF UREASE NANOPARTICLES FOR CONSTRUCTION OF AN IMPROVED POTENTIOMETRIC UREA BIOSENSOR Seema Kumari*, C.SPundir

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PNT-24	NANOPARTICLES AS EMERGING CATALYST Sunil Chopra DCR University of Science and Technology
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PNT-26	SYNTHESIS AND CHARACTERIZATION OF ZNO AND ZNO BASED NANOCOMPOSITES USING SOLUTION COMBUSTION METHOD Vijaya Kumari, Dr. Naveen Kumar*, Shankar Sharma Department of Chemistry, M.D. University, Rohtak
PNT-27	AN IMPROVED AMPEROMETRIC TRIGLYCERIDE BIOSENSOR BASED ON CO- IMMOBILIZATION OF NANOPARTICLES OF LIPASE, GLYCEROL KINASE AND GLYCEROL 3-PHOSPHATE OXIDASE ONTO PENCIL GRAPHITE ELECTRODE Vinay Narwal ¹ , C.S.Pundir ^{1*} ¹ Department of Biochemistry, M.D. University, Rohtak (Haryana) India
PNT-28	ADSORPTIVE TREATMENT OF DYES FROM WATER WITH ADSORPTION EFFECT OF CNT SUPPORTED TIN DOPED METAL OXIDE NANOPARTICLES Vinit Kumar ¹ , Ashok K. Sharma ² ¹ & ² Department of Material Science and Nanotechnology, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat, Haryana-131039, India
PNT-29	POLYIMIDE NANOCOMPOSITES AND ITS APPLICATION Vinod kumar E-mail – pintusharma119@gmail.com
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PNT-31	HYDROTHERMAL SYNTHESIS OF NANOHYBRID MESOPOROUS SILICA METAL COMPOSITE Ekta Poonia ^{1,2} , Surender Duhan ¹ , Krishan Kumar ² D.C.R. University of Science & Technology, Murthal, Haryana (INDIA)
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PNT-33	USE OF SURFACTANTS IN NANOMATERIALS Dr. Ashok Kumar RKSD College, Kaithal
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PNT-36	CONDUCTIVITY BASED HUMIDITY SENSOR USING NANO-SPINEL FERRITES Anu Rana ^{1*} , O. P. Thakur ² , Vinod Kumar ³ ¹ Department of Physics, SRM University, Sonapat, Haryana 131029 ² Department of Physics, NSIT, Dwarka, New Delhi 110075 ³ Department of Physics, DCR University of Sci. & Tech., Murthal, Sonapat, Haryana
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	Vijay Kiran ¹ , Jasbir Sangwan ² 1Department of Chemistry, Chottu Ram Arya College, Sonipat, 131001, India. 2GSSS Tajpur, Sonipat, Department of School Education, Haryana-131027, India
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PNT-39	GRAPHITIC CARBON NITRIDE: A POTENTIAL NANOMATERIAL FOR ENERGY AND ENVIRONMENTAL APPLICATIONS *Devina Rattan Paul, Priyanka Panchal, S. P. Nehra Center of Excellence for Energy and Environment Studies, Deenbandhu Chhotu Ram University of Science and Technology, Murthal-131039 (India)
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	Monika*, Mamta Bhagat, Vishal Vilvas Department of Chemical Engineering, Deenbandhu Chhotu Ram University of Science & Technology, Murthal-131039
PEV-11	DECOLORISATION OF SUGAR SYRUP USING ADSORBENT DERIVED FROM OKRA Pankaj* Department of Chemical Engineering*, Deenbandhu Chhotu Ram University of Science and Technology, Murthal(India)
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PEN28	<p>TEMPLATE SYNTHESIS AND HUMIDITY SENSING BEHAVIOR OF CUBIC MESOPOROUS GRAPHITIC CARBON NITRIDE</p> <p>Shivani</p> <p>Department of chemistry, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat (131039), India</p>
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PEN30	<p>EVOLVING COOL WHITE LIGHT EMISSION BYZnO:Zn²⁺ PHOSPHORS FOR WLEDs</p> <p>*Heena Dahiya, *Dinesh Kumar</p> <p>*Department of Chemistry, Deenbandhu Chhotu Ram University of Science and Technology, Murthal (Sonapat) 131039, India</p>
PEN31	<p>A PORTABLE FERROFLUID BASED ELECTRIC POWER GENERATOR</p> <p>Vinod Kumar¹, R. P. Pant²</p> <p>¹Department of Physics, SRM University, Sonapat, Haryana 131029</p> <p>²National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi 110012</p>
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PEN35	<p>BENZOPYRAN-4-ONE AND ISOXAZOLE BASED HYBRID COMPOUNDS AS ANTIPROLIFERATIVE AGENTS</p> <p>Shilpi Gupta,a,b Paul Park,a Saghar Mozaffari,a Keykavous Parang,a and Rakesh Tiwaria</p> <p>aCenter for Targeted Drug Delivery, Department of Biomedical and Pharmaceutical Sciences, Chapman University School of Pharmacy, Harry and Diane Rinker Health Science Campus, Irvine, CA 92618-1908, USA;</p> <p>bDepartment of Chemistry, Hindu College, Sonapat, Haryana 131001</p>
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PEN37	<p>EFFICIENT AND ECONOMIC METHOD FOR SYNTHESIS OF THIOPROPIONATE ESTER OF G-1 DENDRON FOR BIOMEDICAL APPLICATIONS</p> <p>Monika Gulia and Sumit Kumar*</p> <p>Department of Chemistry, D. C. R. University of Science and Technology.</p>
PEN38	<p>ANNEALING EFFECTS ON CRYSTALLINE PROPERTIES OF NANO-CoFe₂O₄</p> <p>Vinod Kumar</p> <p>Department of Physics, DCR University of Sci. & Tech., Murthal, Sonapat, Haryana 131039</p> <p>*Email: Vinod.phy@dcrustm.org</p>
PEN39	<p>A PORTABLE FERROFLUID BASED ELECTRIC POWER GENERATOR</p> <p>Vinod Kumar¹, R. P. Pant²</p> <p>¹Department of Physics, SRM University, Sonapat, Haryana 131029</p> <p>²National Physical Laboratory, Dr. K. S. Krishnan Marg, New Delhi 110012</p>
PEN40	<p>SYNTHESIS AND CHARACTERIZATION OF RARE EARTH ION SUBSTITUTED Mn-Zn FERRITE</p> <p>Anu Rana</p> <p>Department of Physics, SRM University, Sonapat, Haryana 131029</p> <p>Email: anu29rana@gmail.com</p>
PEN41	<p>PROPERTIES, PREPARATION AND APPLICATIONS OF CARBON NANOTUBES</p> <p>Neelam¹, Anil Kumar Chhillar¹, Jagriti Narang², Chandra Shekhar Pundir^{3*}</p> <p>¹Centre for Biotechnology, Maharshi Dayanand University, Rohtak-124001, Haryana</p> <p>²Department of Nanoscience and Nanotechnology, Amity University Noida, Uttar Pradesh 201313, India, Department of Biochemistry, Maharshi Dayanand University, Rohtak-124001, Haryana</p> <p>*Address for Correspondence: Prof. Emr. C. S Pundir, Department of Biochemistry, M.D University, Rohtak-124001, Haryana, India. Email: chandraspundir@gmail.com.</p>