



National conference cum Industry-Academia meet
on
“Opportunities and Challenges in Fermentation Based Industrial Processes”
(IAMF 2018)
September 13-14, 2018

Programme Schedule

Day I	Session	Session Chair	Time	Speaker/ Title
13.09.2018	Inaugural Session (Venue: Auditorium)		8.00-9.00A.M	Registration
			9.00-9.10A.M	Lightening of Lamp & Facilitation of Guests
			9.10-9.20A.M	Briefing about the event by Dr.Vikash Babu, CSIR-IIIM
			9.20- 9.40 A.M	Welcome Address by Dr. Ram A. Vishwakarma, Director, CSIR-IIIM
			9.40-9.45 A.M	Release of souvenir-cum-abstract book
			9.45-10.20A.M	Address by Guest of Honour Dr. Vidhya Rangaswami, Vice-president, Reliance Industries
			10.20-10.50 A.M	Plenary Lecture: Prof. R. K Saxena Title: Where the problem lies?
			10.50-10.55 A.M	Vote of Thanks by Dr. Saurabh Saran
			10.55 A.M – 11.25A.M	High Tea
	Session I (Venue: Auditorium)	Chairperson: Vidhya Rangaswami Co-Chairperson: Prof. R.K Saxena	11.25-11.45 A.M	Key note lecture: Prof. U.C Banerjee, NIPER Title: Process development for the production of various microbial metabolites and use of enzymes and whole cells for the synthesis of chiral drugs and drug intermediates
11.45-12.05 P.M			Lead Lecture: Prof. A.K Srivastava, IIT Delhi Title: Challenges in commercial production of biodegradable polymers from renewable resources	

			12.05-12.20 P.M	Lead lecture: Dr. Bijan Choudhury, IIT Roorkee Title: Amidase based biotransformation for synthesis of heterocyclic hydroxamate and hydrazides
			12.20-12.35 P.M	Invited Talk: Dr. Swaraj Singh, Iosynth labs Pvt. Ltd. Title: White biology and its applications in pharmaceuticals and cosmetics industry
			12.35-12.50 P.M	Invited Talk: Dr. Jasmine Isar, Reliance Industries Ltd. Title: Microbial Fermentation Strategies and Challenges for Production of Biobutanol and Isoprenoids
			12.50-1.05 P.M	Invited Talk: Mr. Shabeer Ahmed, GloBiL'S, Agri and Food Enterprises Title: Utilization of Fermentation Technologies for Bio-Economy in Jammu and Kashmir
			1.05-2.00 P.M	Lunch
Session II (Venue: Auditorium)	Chairperson: Prof. AK Srivastava Co-Chairperson: Dr. Bijan Choudhury & Dr. Jasmine Isar		2.00-2.25 P.M	Key note lecture: Prof. B.K Behra, Sanmar Speciality Chemicals Ltd., Chennai Title: "Molecular surgery for developing therapeutic drug from natural alkaloid"
			2.25-2.40 P.M	Lead lecture: Dr. C. Mohandass, CSIR-NIO Goa Title: Ocean bio resources identified by CSIR-NIO to scale up with industrial partners
			2.40-2.55P.M	Invited Talk: Dr. Mukul Bajpai, Microlabs Pvt. Ltd. Title: Aspects of Green Chemistry in Commercialization of Active pharmaceutical ingredients
			3.55-3.10 P.M	Invited Talk: Dr. Manpreet Singh, Dr. Reddy's Laboratories Ltd. Title: Nutraceuticals: In the management & prevention of diseases
			3.10-3.25 P.M	Invited Talk: Mr. Arjun Arora, Chankya Pharma. Ltd. Title: Indian market of serratiopeptidase and thiocolchicoside

Presentation and discussion with Industries (3.25-4.35 P.M)		
Chairperson: Dr. Asha Chaubey Co-Chairperson: Dr. Saurabh Saran & Dr. Vikash Babu (Venue: Auditorium)	3.25-3.35 P.M	Mr. Jayraj Doshi & Mr. G.M Bhogle, Zytex Biotech Ltd
	3.35-3.45 P.M	Dr. Mitesh Patel, Sumar Biotech LLP
	3.45-3.55 P.M	Dr. Jayesh Ahire, Unique Biotech Ltd.
	3.55-4.05 P.M	Ms. Femida Patel, Pushpajshah Ltd.
	4.05-4.15 P.M	Dr. Pinakeen Patel, Bills Biotech Pvt. Ltd
	4.15-4.25 P.M	Dr. Rajib Lochan Dey, Genei Laboratories Pvt. Ltd.
	4.25-4.35 P.M	Dr. Mukesh Patel, Agriland Biotech Ltd.
Panel Discussion with Industries (4.45- 6.15 P.M) (Venue: Board Room)		
Chairperson: Dr. Ram A. Viswakarma Co-Chairperson: Er. Rajneesh Anand		All the participating industries
Young Scientist Presentations (4.35 P.M-6.45 P.M) 10 minutes for each presentation		
Oral Presentation-I (Venue: Auditorium) Chairperson: Dr. Kashyap Kumar Dubey Co-Chairperson: Dr. Ramandeep Kaur & Dr. Praveen Mehta		Oral Presentation-II (Venue: New conference hall) Chairperson: Dr. Debashish Ghosh Co-Chairperson: Dr. Ashok Kumar Yadav & Prof. Sanjay Guleria
OP-1: Multifunctional microbial solutions customized for specific field environment. Dr. Ashutosh Awasthi	OP-14: Production of Kojic acid and its derivatives from <i>Aspergillus</i> sp. Shifali Chib	
OP-2: Production of amylopullulanase and its application for the clarification of fruit juices. Bindu Naik	OP-15: Induced production of novel cytotoxic secondary metabolites from <i>Diaporthe</i> sp., an Endophytic fungus <i>Datura inoxia</i> Mill. Venugopal Singamaneni	
OP-3: Production of high commercial value xylooligosaccharides from sunflower stalk xylan using endoxylanase of <i>A. flavus</i> MG-7. Mahak Gupta	OP-16: Media optimization of adenosyl-cobalamin production by using isolated <i>Rhizobium</i> species from <i>Sesbaniasesban</i> found in Mumbai and its sub-urban areas with submerged fermentation. Neha Nohwar	
OP-4: Pharmaceutico- analytical and anti-microbial study of Amritarishta. Dr. O.P Panwar	OP-17: Comparative study of endophytes in three different species of <i>Coleus</i> . Vijay Lakshmi Jamwal	
OP-5: Production of bioflavor from microbial Sources and its health benefits. Priyanka Roy	OP-18: Production of eucalyptol from <i>Myxococcus fulvus</i> [st/sri/13(2)]. Arushi Sharma	

	<p>OP-6: Cholesterol lowering and exopolysaccharide producing potential of probiotic bacteria isolates from various ecoiniches of Jammu and Kashmir. Bisma Habib</p>	<p>OP-19: Green synthesis of actohydroxamic acid using amidase of <i>Bacillus smithii</i> IIMB2907. Rahul Vikram Singh</p>
	<p>OP-7: Production of biosurfactant from <i>Halomonas</i> sp. BRI3. Anuradha Rajendra Mulik</p>	<p>OP-20: Mass scale production of Biopolymer (PHB) by <i>Cupriavidus necator</i> using model based fed-batch fermentation process. Sanjay Kumar</p>
	<p>OP-8: Community structure, spatial distribution, diversity and functional characterization of culturable endophytic fungi associated with <i>Glycyrrhiza glabra</i> L. Palak Arora</p>	<p>OP-21: Scale up of copolymer Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) production from 3.5 to 15 liter using <i>W. eutropha</i>. Lovely</p>
	<p>OP-9: Endophytic antagonists from eggplant and chili pepper: Enhancement of seedling vigor and enzymatic activity. Dr. Gauri A. Achari</p>	<p>OP-22: Investigations on production and characterization of fungal L-Asparaginase enzyme from <i>Aspergillus terreus</i> sp. BV-C strain and its application in acrylamide mitigation in French fries. Vaishali Paul</p>
	<p>OP-10: A combinatorial approach of N-terminus blocking and codon optimization strategies to enhance the soluble expression of recombinant hIL-7 in E. coli fed-batch culture. Dr. Nirmala Devi</p>	<p>OP-23: Probiotic characterization of <i>Enterococcus faecium</i> por1: Cloning, over expression of Enterocin-A, B and evaluation of anti-bacterial, anti-cancer properties. Dasari Ankaiah</p>
	<p>OP-11: A two-step membrane separation process for production of ethanol from sweet sorghum juice by using <i>Saccharomyces cerevisiae</i>. Yerra Kanakaraju</p>	<p>OP-24: Development of putative probiotic feed formulations for enhanced productivity in fish farming. Arun Chauhan</p>
	<p>OP-12: Pharmaceutical preparation of Pindasava, a probiotic Ayurvedic product. Dr.Dharminder Kumar Sharma</p>	<p>OP-25: Indian soy based fermented foods harbor probiotic bacteria that could mitigate pro-inflammatory stress. Ruchika Bhatia</p>
	<p>OP-13: Standardization of different samples of dhatyarishta w.s.r. to its pharmaceutical and analytical study. Dr.Suparna Saha</p>	<p>OP-26: Production and characterisation of extracellular chitinase from newly isolated <i>Chitinophaga</i> sp. S167. Sonia Sharma</p>
		<p>OP-27: Cloning and expression analysis of Valinomycin synthetase cluster from a <i>Streptomyces lavendulae</i> sp. ACR-DA1. Richa Sharma</p>
<p>Cultural Event & Networking Dinner (7.00 P.M onwards)</p>		

Day II	Session	Session Chair	Time	Speaker/Title
14.09.2018	Session III (Venue: Auditorium)	Chairperson- Prof. B.K Behra Co-Chairperson- Prof. U.C Banerjee & Mr. Pinakeen S. Patel	9.00-9.25 A.M	Key note lecture: Dr. D.C. Katoch, Ministry of AYUSH Title: Regulatory and quality control provisions for Ayurvedic products and extract based formulations.
			9.25-9.40 A.M	Lead Lecture: Prof.Shankar Rao, NIA Title: A critical study on Ayurveda fermentation process (sandhana kalpana) w.s.r to opportunities and challenges
			9.40-9.55 A.M	Lead Lecture: Prof. Pradeep Prajapati, AIIA Title: Validation of traditional methods to prevent spoilage of classically prepared fermented products w.s.r. Khadiraristha
			9.55-10.10 A.M	Invited Talk: Mr. Avinash Narwaria, Emami Pvt. Ltd Title: Ayurvedic dosage forms Asava-Arishta: Journey from Ancient to Modern Technology
			10.10-10.25 A.M	Invited talk: Mr. Prashantha Das, Zydu Pvt. Ltd Title: Evolution of Asava-Arishta: journey from ancient age to its commercialization, advantages, challenges and future scope
			10.25-10.40 A.M	Invited talk: Mr. Ram N. Kumar, Nirog street Title: Fermentation technology: Backbone of Ayurveda Medicine
			10.40-11.00 A.M	Tea break
Oral Presentations from Academia 11.00 A.M- 1.45 P.M (12 min each)				
Venue: Auditorium Chairperson- Prof. Pradeep Prajapati Co-Chairperson- Mr. GM Bhogle & Dr. Prasoon Gupta			Venue: New Conference Hall Chairperson- Prof. Shankar Rao Co-Chairperson- Mr. Mitesh Patel & Dr. Sumit Gandhi	
OPA-1: Analysis of mycelial aggregation to upgrade lipstatin production from <i>Streptomyces</i> cell factories. Dr. Kashyap Kumar Dubey			OPA-13: Potential of Probiotics in animal and human Health. Prof. V Arul	
OPA-2: Analysis of volatile components of Jenipapo (<i>Genipa americana</i> L.) fruits using HS-SPME/ GC-MS.			OPA-14: Future prospects of fermentation in Unani based Drugs. Dr. Kishore Kumar	

Dr. Praveen Kumar Mehta	
OPA-3: Bacterial catalysed bioleaching of manganese from mining wastes residues. Dr. A.P Das	OPA-15: Unexplored therapeutic potentials of Ayurvedic auto-fermented formulations. Dr. Prashant Bedarkar
OPA-4: Microbial pigment production from <i>Fusarium</i> species. Dr. Lalit Kumar Singh	OPA-16: Designer Probiotics as a new hope for health and diseases management. Dr. Ashok Kumar Yadav
OPA-5: Production of fuels and chemicals from lignocellulosic pentosans through yeast Mediated fermentation platform. Dr. Debashish Ghosh	OPA-17: Prebiotics, Probiotics and Synbiotics from whey and its derivative for functional beverage: Review. Dr. Meena Krishania
OPA-6: Efficient detoxification of corn cob hydrolysate with ion-exchange resins for enhanced xylitol production by <i>Candida tropicalis</i> MTCC 6192. Dr. Vinod Kumar	OPA-18: Molasses Growth Medium for Production of <i>Rhizobium</i> Based Biofertilizers. Dr. Seema Garcha
OPA-7: Development of beneficial microbial formulations through liquid fermentation technology for improving availability of essential nutrients to crops under temperate and cold desert Himalayan regions. Dr. Zahoor Ahmad Baba	OPA-19: Diatoms as natural vegan sources of nutraceuticals omega 3 fatty acids. Dr. Archana Tiwari
OPA-8: Enzymatic synthesis of lactamide and R-mandelic acid by mesophilic and thermophilic nitrile degrading enzymes. Dr. Amit Seth	OPA-20: Innovative Approaches for Upscaling Natural α -tocopherol level for Human Health and Abiotic Stress Alleviation in Plants. Dr. Deepak Kumar
OPA-9: Kinetic study of dyes degradation by submerged fermentation using <i>Aspergillus niger</i> and identification of valuable byproducts. Dr. Garima Awasthi	OPA-21: REMI based production of biocontrol agents of <i>R. necatrix</i> causing white root rot on apple. Dr. Chandrika Atri
OPA-10: Myxobacteria from Indian habitats: potential source of bioactive compounds and industrial enzymes. Dr. Ramandeep Kaur	OPA-22: Probiotic Exo-Polysaccharides: Isolation, Characterization and role as a natural stabilizer. Dr. Konika Razdan
OPA-11: Bioprospecting thermophilic bacterial population from North-Western Himalayas for industrial enzymes. Dr. Brajeshwar Singh	OPA-23: Cellulolytic enzymes production from the thermophilic fungus <i>Thermoascus aurantiacus</i> using rice straw as substrate. Dr. Anita Singh
OPA-12: Prioritization of actinobacteria by dereplication for the antibiotic discovery. Dr. Ahtesham Hussain	OPA-24: Purification and characterization of marine bacterial substances for its antibacterial activity. Dr. C. Ravindran

(Lunch-1.45-2.15 P.M)				
Poster Session (2.15-3.00 P.M)				
Session IV (Venue: Auditorium)	Chaiperson- Prof. V.Arul Co-Chairperson- Dr. Sawraj Singh & Dr. Inshad Ali Khan	3.00-3.25 P.M	Key note lecture: Prof. Rama Chaudhry, AIIMS Title: Fermentation technology in probiotic supplementation for health benefits	
		3.25P.M -3.40 P.M	Invited Talk: Dr. Bijender Bajaj, Jammu University Title: Non-dairy products as alternative probiotic-vehicles	
		3.40-3.55 P.M	Invited Talk: Dr. Ravinder Kumar, Sarvottham Care Ltd. Title: Medium and fermentative processes development for Indigenous probiotic	
		3.55-4.10 P.M	Tea Break	
		4.10-4.25 P.M	Invited Talk: Dr. Raj Kumar, DRDO-INMAS, Delhi Title: Radiation counter measure development using radioresistant bacteria: Achievement, Present status and Future endeavours	
		4.25-4.40 P.M	Invited Talk: Mrs. Shalvi Shah, Lupin Ltd. Title: Characterization of a Fab molecule, post bioprocess improvisation	
		4.40-4.55 P.M	Invited talk: Er. Senthil Prasad, CSIR-IMTECH Title: Fermentation process for bacteriorhodopsin protein production and its application	
Closing Ceremony (Venue: Auditorium)				
		4.55-5.30 P.M	Validictory function & prize distribution	
		5.30 P.M Onwards	Vote of thanks by Er. A. Rahim & High Tea	