



In Commemoration of 20 Years of Academic and  
Research Excellence of AIMST University,  
The Faculty of Applied Sciences is proudly organizing

# IECBBB-2020

INTERNATIONAL E-CONFERENCE ON  
BIOTECHNOLOGY, BIOINFORMATICS & BIOMEDICINE

Theme: Challenges and opportunities in Biotechnology  
Bioinformatics and Biomedicine in the Post-COVID Era

## Programme Book

Organized by

Faculty of Applied Sciences, AIMST University, Kedah, Malaysia

Date: 24 – 26 AUGUST 2020

Time: 09:30 – 18:00 MYT (GMT+8)

### Co-organizers



UNIVERSITI SAINS MALAYSI





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INTERNATIONAL E-CONFERENCE ON  
BIOTECHNOLOGY, BIOINFORMATICS & BIOMEDICINE

**Theme: Challenges and opportunities in Biotechnology, Bioinformatics and Biomedicine in the Post-COVID Era**

**Date: 24 – 26 August 2020**

<b>DAY 1: 24 AUGUST 2020 (MONDAY)</b>	
<b>SESSION 1</b>	
<b>OPENING CEREMONY</b>	
9:30 – 9:35 am	Welcome Address by <b>Assoc. Prof. Dr. Venkata Suresh Chinni</b> , Conference Chairman
9:35 – 9:45 am	Opening Remarks by <b>Prof. Dr. Mohd Baidi Bin Bahari</b> , Acting Vice-Chancellor, AIMST University <b>Launching of IECBBB2020 Abstract Book</b>
<b>CONFERENCE TECHNICAL SESSION 1</b>	
<b>Chairperson: Senior Prof Dr. M. Ravichandran</b> <b>Co-chairperson: Senior Assoc. Prof. Dr. Gokul Shankar</b>	
9:45 – 10:30 am	<b>KEYNOTE SPEECH - 1</b>  <b>Dr. Harcharan Singh</b> , Senior Vice President, Bioeconomy Corporation, Malaysia  <b>Title: The Malaysian Biotechnology Landscape &amp; Opportunities</b>
10:30 – 10:45 am	Coffee break
10:45 – 11:30 am	<b>KEYNOTE SPEECH - 2</b>  <b>Dr. Gowrisankar Rajam</b> , Assoc. Principal Scientist, Merck, USA, Ex Lab Lead at CDC, USA  <b>Title: Novel Vaccine Approaches to Address Unique Challenges</b>
11:30 – 12:00 pm	<b>PLENARY SPEECH 1</b>  <b>Dr. Alexander Ludwig</b> School of Biol. Sciences, Nanyang Technological University, Singapore  <b>Title: Dissecting the epithelial polarity network using proximity proteomics and electron microscopy imaging</b>

**ORAL PRESENTATION SESSION A****Panel of Evaluators****Chair Person:** Senior Prof Dr. M. Ravichandran**Co-chairperson:** Senior Assoc. Prof. Dr. Gokul Shankar

12:00 – 12:10 pm	<i>Oral Presentation 1</i> O-1: Ms. Sumalatha Rani Talapati Title: Binding kinetics and crystallographic studies on the interaction of cyclin dependent kinase 2 with a selective and potent inhibitor NU6140
12:10 – 12:20 pm	<i>Oral Presentation 2</i> O-2: Mr. Muhammad Sulaiman Rahama Title: Therapeutic Potentials Of <i>Mangifera indica</i> Extracts
12:20 – 12:30 pm	<i>Oral Presentation 3</i> O-3: Ms. Norhidayah Rosman Title: Limit of detection of a prototype PCR-based detection kit for Familial hypercholesterolaemia variants in Malaysia
12:30 – 12:40 pm	<i>Oral Presentation 4</i> O-4: Ms. Ng Yee Ling Title: Genetic diversity <i>Plasmodium knowlesi</i> apical membrane antigen-1 (PkAMA-1) and <i>Plasmodium knowlesi</i> thrombospondin-related apical merozoite protein (PkTRAMP)
12:40 – 12:50 pm	<i>Oral Presentation 5</i> O-5: Mr. Tan Hong Jie Title: Effect of Maternal Epigallocatechin Gallate on Blood Pressure and Pregnancy Outcomes in Spontaneously Hypertensive Rats
12:50 – 1:00 pm	<i>Oral Presentation 6</i> O-6: Ms. Anna Andrew Title: Expression of Chikungunya virus E2 protein for the development of a rapid diagnostic test
01:00 – 1.20 pm	Q&A Session

**Lunch Break****CONFERENCE TECHNICAL SESSION 2****Chair Person:** Assoc. Prof. Dr. Venkata Suresh Chinni**Co-chairperson:** Dr Citartan Marimuthu

2:00 - 2:45 pm	<b>KEYNOTE SPEECH - 3</b> <b>Dr Ch'ng Ewe Seng</b> , Advanced Medical and Dental Institute USM, Malaysia  <b>Title:</b> Challenges in Laboratory diagnosis of COVID-19
3:00 - 3:30 pm	<b>PLENARY SPEECH - 2</b>  <b>Dr. Tan Ju Lin</b> , NGS, Scientist, GeneSEQ Sdn Bhd, Malaysia <b>Title:</b> NGS in the Food Industry: Authentication, Compliance, and Safety

3:30 - 4:00 pm	<p><b>PLENARY SPEECH - 3</b></p> <p><b>Dr Mohammad Farris Iman Leong Bin Abdullah,</b> AMDI, USM, Malaysia <b>Title:</b> The mind of our heroes and the COVID-19 pandemic: Does COVID-19 affect the mental health of the healthcare workers at the time when we need them most?</p>
4:00 - 5:20 pm	<p>E-Poster Session I Panel members: Chairperson: Dr. Annie Jayachristy Co Chairperson: Dr. Heera Rajandas</p>
<p><i>Poster Presentation 1</i> P-1: Ms. Aqila Akmal binti Mohammad Kamal Title: The Effect of Bisphenol A Exposure Below No-Observed-Adverse-Effect-Level (NOAEL) on Uterus of Adult Female BALB/c</p>	
<p><i>Poster Presentation 2</i> P-2: Mr. Rocky Vester anak Richmond Title: Characterisation of Artovastatin Liquid Crystalline Nanoparticle as Drug Delivery Vehicle in HepG2 Cells</p>	
<p><i>Poster Presentation 3</i> P-3: Ms. Lalitha Devi A/P Rajasegaran Title: Anticancer Effects of Combined Retinoic Acid and Ginger Extract on HeLa Cervical Cancer Cells</p>	
<p><i>Poster Presentation 4</i> P-4: Ms. Ainnie Shaherah Title: Growth Performance of Terung Asam in Different Growing Media</p>	
<p><i>Poster Presentation 5</i> P-5: Mr. Cheah Hong Leong Title: Small RNA Profiling in <i>Mycobacterium tuberculosis</i></p>	
<p><i>Poster Presentation 6</i> P-6: Ms. Teh Hui Wen Title: SNP analysis of Malaysian multidrug-resistance tuberculosis(MDR-TB)</p>	
<p><i>Poster Presentation 7</i> P-7: Dr. Sabitha R Title: Promising Tribal Herbs with Hypoglycemic Properties</p>	
<p><i>Poster Presentation 8</i> P-8: Ms. Safaa Mahmoud Naes Title: ENT2 gene expression in the different stages of colorectal cancer</p>	
<p><i>Poster Presentation 9</i> P-9: Mr. Shifath Bin Syed Title: Antibiograms of Multidrug-resistant <i>Acinetobacter baumannii</i> Isolated from Specimens at Kushtia Medical College Hospital</p>	
<p><i>Poster Presentation 10</i> P-10: Ms. Raja Nur Firzanah Syaza Binti Raja Sharin Title: Antiproliferative Effect of Lapatinib, An ErbB1/ErbB2 Tyrosine Kinase Inhibitor, on Caco-2 Human Colorectal Cancer Cell Line</p>	
<p><i>Poster Presentation 11</i> P-11: Ms. Lim Joejia Title: Process Validation of Cholera Vaccine Formulation</p>	

<i>Poster Presentation 12</i>	
P-12: Ms. Kishonthani Krunnamurty Title: Identification and Characterization of Novel non-protein coding RNAs (npcRNAs) associated with Global Transcriptional Regulator, Hfq in Pathogenic Bacteria <i>Salmonella typhi</i>	
<i>Poster Presentation 13</i>	
P-13: Ms. Richa Prakash Title: Resistome of clinical <i>Klebsiella pneumoniae</i> isolates shows the predominance of Ctxm, Oxa, Shv gene variants encoding beta-lactamase & aac(6')-Ib encoding bifunctional	
<i>Poster Presentation 14</i>	
P-14: Mr. Kartik M Title: Dissecting Complete Genome of <i>Klebsiella pneumoniae</i> uncovers the abundant repertoire of antibiotic resistance genes – a GLOBAL snapshot	
<b>ORAL PRESENTATION SESSION B</b>	
<b>Panel of Evaluators</b>	
<b>Chair Person:</b> Snr. Assoc. Prof. Dr. Neeraj Kumar Fuloria	
<b>Co-chairperson:</b> Prof. Dr. K. Marimuthu	
5:20 – 5:30 pm	<i>Oral presentation 7</i> O-7: Ms. Chidhambara Priya Dharshini K Title: Agricultural Biotechnology
5:30 – 5:40 pm	<i>Oral presentation 8</i> O-8: Dr. Senthilkumar Rajagopal Title: GPCR signalling in Inflammation
5:40 – 5:50 pm	<i>Oral presentation 9</i> O-9: Dr Prasanna Srinivas R Title: Study of endophytic fungi and their metabolites from the medicinal plant <i>Withania somnifera</i>
5:50 – 6:00 pm	<i>Oral Presentation 10</i> O-10: Dr. G V Swarnalatha Title: Microalgal Biofuel Production
6:00 – 6:10 pm	<i>Oral Presentation 11</i> O-11: Mr Darpan Raghav Title: Curcumin Inhibits the Centrosome Separation in Mammalian Cancer Cells by Perturbing the Functions of Mitotic Kinesin Eg5
6:10 – 6:20 pm	<i>Oral Presentation 12</i> O-12: Ms.Nurul Arneida Husin Title: Transcriptome Analysis of Young, Mature and Ripening Stages of Local Durian D24 ( <i>Durio Zibethinus</i> Murr.) Fruit Pulp Tissues
6:20 – 6:30 pm	<i>Oral presentation 13</i> O-13: Dr. Venmathi Maran Balu Alagar Title: Antiparasitic Potential of Medicinal Plant against <i>Zeylanicobdella arugamensis</i> (Hirudinea) and its Chemical Profiling
6:30 – 6:40 pm	<i>Oral Presentation 14</i> O-14: Ms. S. Abirami Title: A Molecular Study Delineating the Role of Atorvastatin on Breast Cancer Bone Metastasis Targeting Osteoclastogenic Factors
6:40 pm- 6:50 pm	<i>Oral Presentation 15</i> O-15: Dr. Purabi mazumdar Title: LED Farming of Pennywort : To Keep the Food Supply Chain Thriving during the Covid-19 Pandemic
6:50 pm- 7:00 pm	<i>Oral Presentation 16</i>

	O-16: Ms. Vinishaa A/P S. Ragu Title: Development of Species-Specific Multiplex PCR to Detect Possible Adulterant DNA in Raw Food Samples
7:00 pm- 7:10 pm	<i>Oral Presentation 42</i> O-42: Mr. Sattam Obeidat Title: Systematic identification and characterization of LncRNAs in <i>Aedes aegypti</i>
7:10 pm- 7:30 pm	Q&A Session
End of Day I	
<b>DAY 2: 25 AUGUST 2020 (TUESDAY)</b>	
<b>CONFERENCE TECHNICAL SESSION 3</b>	
<b>Chair Person: Snr. Assoc. Prof. Dr. Neeraj Kumar Fuloria</b>	
<b>Co-chairperson: Dr. Annie Jayachristy</b>	
9:30 - 10:15 am	<b>KEYNOTE SPEECH - 4</b>  <b>Senior Prof Dr. Ravichandran,</b> Dean, Faculty of Applied Sciences, AIMST University, Malaysia  <b>Title:</b> Cold chain free Cholera vaccine (VCUSM14P): A potential live oral bacterial vectored vaccine platform for emerging diseases
10:15 – 10:30 am	<b>BREAK</b>
10:30 - 11:15 am	<b>KEYNOTE SPEECH - 5</b>  <b>Prof. Christopher M. AUSTIN,</b> Deakin University, Victoria, Australia.  <b>Title:</b> Mitogenomics for Environmental Sciences
11:15 - 11:45 am	<b>PLENARY SPEECH - 4</b>  <b>Dr. Fong Cheng Pan,</b> Weill Cornell Medicine, New York, USA <b>Title:</b> Human embryonic stem cell-derived colon organoids as a platform to model colorectal cancer and COVID-19
11:45 - 12:15 am	<b>PLENARY SPEECH - 5</b>  <b>Dr. J. Rajendhran,</b> Madurai Kamaraj University, Tamilnadu, India  <b>Title:</b> Prospects and Applications of Metagenomics
<b>ORAL PRESENTATION</b>	
<b>SESSION C</b>	
<b>Panel of Evaluators</b>	
Chairperson: Dr. Annie Jayachristy	
Co-chairperson: Snr. Assoc. Prof. Dr. Neeraj Kumar Fuloria	

12:15 - 12:25 pm	<i>Oral presentation 17</i> O-17: Mr. Aisamuddin Ardi Zainal Abidin Title: Stability of transgene in <i>Nannochloropsis sp.</i> : Potential vaccine delivery system to fish against vibriosis disease
12:25 - 12:35 pm	<i>Oral presentation 18</i> O-18: Ms. Bharatee Pandurang Chaudhari Title: A Validated UPLC Method for Simultaneous Estimation of Diacerein and Aceclofenac in Bulk and Pharmaceutical Formulation
12:35 - 12:45 pm	<i>Oral presentation 19</i> O-19: Ms. Fatma Diyana Bt Mohd Bukhari Title: Binding Activity of <i>Plasmodium knowlesi</i> Duffy Binding Protein Alpha Region II Corresponding to High and Low Parasitaemia Isolates
12:45 - 12:55 pm	<i>Oral presentation 20</i> O-20: Mr. Lee Phone Youth @ Zen Lee Title: Development of Point-of-Care Loop mediated isothermal amplification lateral flow (LAMP-LF) assay for detection of <i>Plasmodium species</i>
12:55 - 1:05 pm	<i>Oral presentation 21</i> O-21: Ms. Maheswari A Title: Anti-Diabetic Effects and Antioxidant Potentials of Green Marine Seaweeds, Collected From Gulf of Mannar
01:05 – 01.15 pm	<i>Oral presentation 22</i> O-22: Mr. Navien A/L Tholasi Nadhan Title: <i>In silico</i> Selection Of RNA Aptamer Against Progesterone Receptor Using Computational Docking Employing Progesterone Response Elements-Derived RNA
01:15 – 01.30 pm	Q&A Session
Lunch	
<b>SESSION 4</b>	
<b>Chair Person: Assoc. Prof. Dr. Lee Su Yin</b>	
<b>Co-chairperson: Dr. Sivachandran</b>	
2:00 - 2:45 pm	<b>KEYNOTE SPEECH - 6</b>  <b>Dr. S. Sridhar,</b> Senior Principal Scientist, CSIR IGIB, New Delhi, <b>India</b>  <b>Title:</b> Personal Genomes to Precision Medicine- Implications for Rare Genetic Diseases
2:45 - 3:15 pm	<b>PLENARY SPEECH -6</b>  <b>Prof. K Balakrishnan.</b> Madurai Kamaraj University, Tamilnadu, India  <b>Title:</b> "HLA: Molecular Medicine Perspectives".
3:15 - 3:45 pm	<b>PLENARY SPEECH - 7</b>  <b>Dr. Susweta Das,</b> School of Basic and Applied Sciences, Dayananda Sagar University, Bangalore, India

	<b>Title:</b> Epigenetic Modulators – key players in host pathogen cross talk in bacterial infections
3:45 - 5:00 pm	E-Poster Session II  Panel members: Chairperson: Mr. S. Kurunathan Co-Chairperson: Mr. Jeevandran Sundarasekar
<i>Poster Presentation 15</i> P-15: Ms. Pershia Title: Evaluation of <i>in vitro</i> Antioxidant and Anti -Advanced Glycation End Products Formation (Ages) Effect of Barley, ( <i>Hordeum Vulgare</i> ) Extract	
<i>Poster Presentation 16</i> P-16: Ms. Reshma R Title: Extraction of Eco-Friendly Natural Dyes From Indian Almond Leaves Of <i>Terminalia Catappa</i> L. And Evaluation of its Anti-Oxidant Properties	
<i>Poster Presentation 17</i> P-17: Mr. M. Rajesh Kannan Title: ITS based Genus (Clade) level identification of Scleractinian coral endosymbionts in the Palk Bay, southeast coast of India	
<i>Poster Presentation 18</i> P-18: Mr. Md. Moinuddin Sheam Title: Myco-remediation of Reactive Red Dye by Highly Potential Fungal Strain Isolated from Textile Effluents	
<i>Poster Presentation 19</i> P-19: Mr. Awosolu Oluwaseun Bunmi Title: Unending transmission of malaria parasite in peri urban community of Ipinsa southwestern Nigeria: Prevalence and risk factors enhancing transmission	
<i>Poster Presentation 20</i> P-20: Ms. Adina Frank Title: Computational Analysis and Annotation of <i>Elaeis oleifera</i> Naringenin-Chalcone Synthase and Palmitoyl Protein Thioesterase	
<i>Poster Presentation 21</i> P-21: Ms. Avina Frank Title: <i>In silico</i> Analysis and Annotation of <i>Elaeis oleifera</i> NOI and Metallothionein-like Proteins	
<i>Poster Presentation 22</i> P-22: Ms. Meroshine Nageswara Rao Title: Styr143 npcRNA gene knockout in <i>S. typhi</i> which unregulated completely in biofilm forming pathway.	
<i>Poster Presentation 23</i> P-23: Ms. Laavanya Rajendhiran Title: Over-expression and purification of <i>Acinetobacter baumannii</i> Hfq protein in BL21	
<i>Poster Presentation 24</i> P-24: Ms. Ang Xin Yee Title: Evaluation of Cold Chain Free Live Attenuated Oral Cholera Vaccine against Enterotoxigenic <i>Escherichia coli</i> , as a Dual-Use Vaccine	
<i>Poster Presentation 25</i>	



<p>P-25: Ms. Uma Mageswary Mageswaran  Title: Preclinical evaluation of prototype cold chain free live attenuated oral cholera vaccine against Enterotoxigenic <i>Escherichia coli</i>, as a dual-use vaccine for the diarrhea disease</p>
<p><i>Poster Presentation 26</i>  P-26: Dr. Abinaya Subramanian  Title: Ficus religiosa in Mitigating Hyperandrogenism in PCOS induced rats: A Phytotherapeutic Approach</p>
<p><i>Poster Presentation 27</i>  P-27: Dr. Dasofunjo K  Title: Comparative studies on maternal and prenatal exposure to <i>Piliostigma thonningii</i> extract on serum lipid profile following acetaminophen induced toxicity on female Wistar rats</p>

**ORAL PRESENTATION  
SESSION D  
Panel of Evaluators**

Chair Person: Snr. Assoc. Prof. Dr. Subhash J Bhore  
Co-chairperson: Assoc. Prof. Dr. Sivakumar Pendyala

5:00 – 5:10 pm	<p><i>Oral presentation 23</i>  O-23: Ms. Ravichandran Swetha  Title: Screening and identification of cellulose-degrading bacteria from termites: Towards developing a termite and cellulose-based sustainable nutritious solution in resource-limited settings</p>
5:10 – 5:20 pm	<p><i>Oral presentation 24</i>  O-24: Ms. Saptadipa Paul  Title: Health risk assessment of Macro, Trace-elements and heavy metal in various Indian Antidiabetic Polyherbal formulations</p>
5:20 – 5:30 pm	<p><i>Oral presentation 25</i>  O-25: Dr. Selvaraj Mohana Roopan  Title: Biosynthesis of copper oxide nanoparticles and its utility in organic synthesis</p>
5:30 – 5:40 pm	<p><i>Oral Presentation 26</i>  O-26: Ms. Shoba G  Title: Molecular Interaction analysis of Lanosterol derivatives from <i>Laetiporus versisporus</i> as potential inhibitor of BCL-2</p>
5:40 – 5:50 pm	<p><i>Oral Presentation 27</i>  O-27: Ms. Tage Yama  Title: Isolation and Characterization of Biosurfactant Producing Bacteria from Hot Spring Zone of West Kameng District, Arunachal Pradesh, India.</p>
5:50 – 6:00 pm	<p><i>Oral Presentation 28</i>  O-28: Ms. Kirthani Anamalay  Title: Evaluation of <i>in vitro</i> Antioxidant and Antidiabetic Effect of Water Extract From Oil Palm Fibre</p>
6:00 – 6:10 pm	<p><i>Oral presentation 29</i>  O-29: Mr. Mugilan Govindaraju  Title: Conversion of Bakery Waste Materials into Compost and Evaluation of Its Physico-Chemical Properties and Phytotoxicity</p>
6:10 – 6:20 pm	<p><i>Oral Presentation 30</i>  O-30: Dr. G. Madhumitha</p>

	Title: Bioactive compound loaded nanoemulsion from edible fruit against insects
6:20 – 6:30 pm	<i>Oral Presentation 31</i> O-31: Mr. Irshad P Title: Co-occurrence of mutations in Quinolone Resistance Determining Region (QRDR) observed in global <i>Escherichia coli</i> genomes --- alarm for Fluroquinolone therapy in Urinary
6:30 – 6:40 pm	<i>Oral Presentation 32</i> O-32: Mr Subham Ghosh Title: Design, Molecular Docking and Drug-likeness Studies of Trioxane Derivatives as Novel Antimalarial Agents
6:40 – 6:50 pm	<i>Oral Presentation 33</i> O-33: Mr. Abdulrahman Maina Zubairu Title: Distribution of Available Phosphorus in a Sandy Loam Soil of Nigerian Sudan Savannah
6:50 – 7:00 pm	<i>Oral Presentation 34</i> O-34: Ms. Ayesha Siddiqui Title: Phytosynthesis of Silver Nanoparticles Using Plant Extracts of Medicinal Importance
7:00 – 7:10 pm	Q&A Session
End of Day II	

<b>DAY 3: 26 AUGUST 2020 (WEDNESDAY)</b>	
<b>CONFERENCE TECHNICAL SESSION 5</b>	
<b>Chair Person: Snr. Assoc. Prof. Dr. Subhash J Bhore</b>	
<b>Co-chairperson: Assoc. Prof. Dr. Sivakumar Pendyala</b>	
9:30 – 10:15 am	<b>KEYNOTE SPEECH – 7</b>  <b>Dr Mahaletchumy Arujanan</b> Executive Director, MABIC, Malaysia  <b>Title:</b> Science Communication for Post-Truth Era
10:15 – 10:30 am	Coffee Break: Technical talk
10:30 – 11:15 am	<b>KEYNOTE SPEECH – 8</b>  <b>Dr. G. Kumaresan</b> Head, Department of Genetics, Madurai Kamaraj University, Tamilnadu, India  <b>Title:</b> Understanding the Genome Biology and New Therapeutic Strategies for Cancers with Genomic Methods
11:15 – 11:45 am	<b>PLENARY SPEECH – 8</b>  <b>Dr Sarah Amirah</b> (University of Manchester, UK)  Title: An Overview of Biotechnological Research & Postgraduate Study in the UK

**ORAL PRESENTATION****SESSION E****Panel of Evaluators**

Chairperson: Mr. S. Kurunathan

Co-Chairperson: Mr. Jeevandran Sundarasekar

12:00 – 12:10 pm	<i>Oral Presentation 35</i> O-35: Ms. Dharshini J Title: <i>In silico</i> Protein Structure Analysis and Metabolic Pathway Study on Genes Associated with Acute Myeloid Leukemia (AML)
12:10 – 12:20 pm	<i>Oral Presentation 36</i> O-36: Dr. Geeta Selvarajah Title: Two Successes out of Three: DNA Barcode Identification of Malaysia Ferns
12:20 – 12:30 pm	<i>Oral Presentation 37</i> O-37: Ms. Abirami Sanniraj Title: Knocking-out of potential virulence associated non-protein coding RNA gene (PmiR-137) in <i>Proteus mirabilis</i> to understand its role in pathogenesis
12:30 – 12:40 pm	<i>Oral Presentation 38</i> O-38: Dr. Adaobi Ekwempu Title: Laboratory Tests ; Clinical Indications during lockdown period
12:40 – 12:50 pm	<i>Oral Presentation 39</i> O-39: Ms. Ayisha Aman Title: Bioconversion of agroindustrial waste in to industrially important haloalkaliphilic protease by marine <i>Bacillus species</i> under solid state fermentation and formulation of biodetergent
12:50 – 1:00 pm	<i>Oral Presentation 40</i> O-40: Ms. Sanyogita Verma Title: Morphological Changes in Planktons, as an Indicators of Seasonal Variations
1:00 – 1:10 pm	<i>Oral Presentation 41</i> O-41: Dr. Mowaffaq Adam Ahmed Adam Title: The effect of Aflatoxin B1 and Ochratoxin A on tumor retated genes in MCF7 and MCF10A after the knockdown of cMyc and p53 using siRNA
1:10 – 1.20 pm	Q&A Session
1:20 – 2.00 pm	<b>LUNCH BREAK</b>
<b>CONFERENCE TECHNICAL SESSION 6</b>	
<b>Chair Person: Assoc. Prof. Dr. Gurusamy Prabhakaran</b>	
<b>Co-chairperson: Dr. J. Madhanagopal</b>	
2:00- 2:45 pm	<b>KEYNOTE SPEECH – 9</b>  <b>Assoc. Prof. Dr. Larry Croft</b>

	<p>Deakin University, Australia</p> <p><b>Title:</b> “How will biotechnology change our future”</p>
3:00- 3:30 pm	<p><b>PLENARY SPEECH – 9</b></p> <p><b>Dr. Enrico Magosso</b> Universiti Kuala Lumpur, Malaysia</p> <p><b>Title:</b> COVID-19 and Opportunities for Pharmaceuticals Researchers</p>
3:30 -4:00 pm	<p><b>PLENARY SPEECH – 10</b></p> <p><b>Dr. Citartan Marimuthu</b> AMDI, USM, Malaysia</p> <p><b>Title:</b> Whatever you can do, I can do as well: Aptamers as the promising surrogates of antibodies</p>
4:00 -5:00 pm	<p>Announcement of “<b>BEST ORAL &amp; POSTER PRESENTATION AWARD</b>” : <b>Snr. Prof. M. Ravichandran</b></p> <p>Closing ceremony: Vote of Thanks: Prof K Marimuthu</p>