

INTERNATIONAL BIOINFORMATICS CONFERENCE, IBC'2022
Organized by Moroccan Society of Bioinformatics & Laboratory of Innovative Technologies
08 -09 October 2022, Kenzi Solazur Hotel, Tangier, Morocco

CONFERENCE PROGRAM

IN-PERSON CONFERENCE
October 08, 2022

08:30-09:00	Registration
09:00-09:30	Opening Ceremony
09:30 - 10:00	<p>Chairman: Prof. Abdelfetah Sedqui, LTI, ENSAT, UAE, Tangier, Morocco</p> <p>Session I: Genomics</p> <p>Conference title: "Unraveling the Insect Microbiome"</p> <p>Invited Speaker: Prof. George Tsiamis, Laboratory of Systems Microbiology and Applied Genomics, Department of Environmental Engineering, University of Patras, Agrinio, Greece</p>
10:00-10:20	<p>OC1: Comparative study between two halo- thermo-tolerant Bacillus licheniformis strains for their repellent and non-repellent activity against mosquitoes.</p> <p>T. Chouati, National Center for Scientific and Technical Research, Rabat, Morocco</p>
10:20-10:40	<p>OC2: Dynamics of Gut Symbiotic Bacteria Associated with Domesticated Mediterranean Fruit Fly Populations and Comparative Genomic Analysis of Enterobacter sp. Strains.</p> <p>N. Bel Mokhtar, Laboratory of Innovative Technologies, ENSAT, UAE, Tetouan, Morocco</p>
10:40-11:20	Coffee break and Poster session
11:20-11:50	<p>Chairman : Prof. Adel Bouajaj, LTI, FST, UAE, Tangier, Morocco</p> <p>Session II: Technology and Health</p> <p>Conference title: "Machine learning in the era of multi-omics data: Applications and perspectives"</p> <p>Invited Speaker: Prof. Achraf El Allali, Bioinformatics Laboratory, African Genome Center, Mohammed VI Polytechnic University, BenGuerir, Morocco</p>
11:50-12:10	<p>OC1: 2D-QSAR Study of Evodiamine analogs effect as DNA Topoisomerase I inhibitors</p> <p>H. Soufi, Laboratory of Physical Chemistry of Materials, Casablanca, Morocco</p>
12:10-12:30	<p>OC2: Molecular epidemiology of SARS-CoV2 March 2020-August 2022, Morocco</p> <p>M. Hemlali, National Center for Scientific and Technical Research, Rabat, Morocco</p>
12:30-14:00	Lunch

14:00-14:30	<p>Chairman: Prof. Fatiha Elouai, LIST, FST, UAE, Tangier, Morocco</p> <p>Session III: Microbiology & flora in Morocco</p> <p>Conference title: Anti-quorum sensing action of natural substances against bacterial infectious agents: modeling perspectives</p> <p>Invited Speaker: Pr. Abdelhakim Bouyahya, Laboratory of Biology of Human Pathologies, Faculty of Sciences, Mohammed V University of Rabat, Morocco.</p>
14:30-15:00	<p>Conference title: In Silico studies of Stachys Biomolecules against associated proteins of Pseudomonas aeruginosa quorum sensing.</p> <p>Invited Speaker: Prof. Amal Maurady, Laboratory of Innovative Technologies, FSTT, UAE, Tangier, Morocco.</p>
15:00-15:30	<p>Conference title: Presentation of new species discovered for the flora of Morocco</p> <p>Invited Speaker: Dr. Abdelmonaim Homrani Bakali, Regional Center of Agricultural Research of Errachidia, National Institute of Agricultural Research, Rabat, Morocco.</p>
15:30-15:50	<p>OC: In Silico docking approach of metal and metal oxide nanoparticles (Ag, CuO and ZnO) to target biofilm-associated proteins of Streptococcus aureus.</p> <p>B. Sadoq, Laboratory of Innovative Technologies, ENSAT, UAE, Tangier, Morocco</p>
15:50-16:20	<p>Poster session and Delivery of conference certificates</p>

VIRTUAL CONFERENCE
October 09, 2022

09:00-09:30	<p>Chairman: Prof. Amal Maurady, LTI, FST, UAE, Tangier, Morocco</p> <p>Session IV: Drug design</p> <p>Conference title: "The use of protein crystals in Biotechnology and Pharma industry"</p> <p>Invited Speaker: Prof. José A. Gavira, Laboratory of Crystallographic Studies (LEC) of the Spanish National Research Council (CSIC) in the Instituto Adaluz de Ciencias de la Tierra (CSIC-UGR), Granada, Spain.</p>
09:30-10:00	<p>Conference title: "Identification of Novel Microsomal Prostaglandin E2 Type 1 (mPGES-1) Inhibitors By Conducting Structure-Based Virtual Screening"</p> <p>Invited Speaker: Dr. Abdurrahman Olgac, Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Gazi University, Ankara, Turkey</p>
10:00-10:30	<p>Conference title: "Understanding the structure-action relationship of Choline Trimethylamine-Lyase for developing novel therapeutic strategies of cardiovascular diseases"</p> <p>Invited Speaker: Dr. Carolina Estarellas Martín, Department of Nutrition, Food Science and Gastronomy, Faculty of Pharmacy and Food Sciences, Institute of Theoretical and Computational Chemistry, University of Barcelona.</p>
10:30-11:00	Break
11:00-11:20	<p>OC1: Multi-target QSAR, pharmacophore modeling, molecular docking and molecular dynamics simulations for the discovery of natural products as multi-target-directed drugs for Parkinson's disease.</p> <p>Y. Boulaamane, Laboratory of Innovative Technologies, ENSAT, UAE, Tetouan, Morocco</p>
11:20-11:40	<p>OC2: In silico identification of natural multi-target directed ligands from Stachys genus for the treatment of Parkinson's disease</p> <p>I. Touati, Laboratory of Innovative Technologies, ENSAT, UAE, Tetouan, Morocco</p>
11:40-12:00	<p>OC3: Design of Novel CDK2 Inhibitors through QSAR, ADMET, Molecular Docking and Molecular Dynamics Simulation Studies based on Thiazole products</p> <p>M. Moussaoui, Laboratory of Physical Chemistry of Materials, Casablanca, Morocco</p>

12:00-12:15	Poster: Detection of Diabetic Retinopathy using Deep Learning Based CNN A. Mjahad , Grupo de Procesado y Diseño Digital, Escuela Técnica Superior de Ingeniería, Valencia, Spain.
12:15-12:30	Poster: Treatment analysis of ADCY5-Related Dyskinesia Y. M. Britel , University Autonomous of Barcelona, Spain.
12:30-13:00	Chairman: Prof. Nouredine Bouayad, GMO, FST, UAE, Tangier, Morocco Session V: Microbiology Conference title: “New targets and new prevention and treatment strategies against bacterial infections” Invited Speaker: Dr. Younes Smani , Centro Andaluz de Biología del Desarrollo, Universidad Pablo de Olavide, Sevilla, Spain.
13:00-13:30	Conference title: “Genomic analysis of Mycobacterium strains highlights the potential of reverse vaccinology in aquaculture” Invited Speaker: Dr. Panagiota Stathoupoulou , Laboratory of Systems Microbiology and Applied Genomics, Department of Environmental Engineering, University of Patras, Agrinio, Greece.
13:30-14:00	Delivery of conference certificates and conference closing

*For virtual attendees, conference certificates will be sent in electronic format by email.