

International Webinar on

# Biosensors and Bioelectronics

October 28-30, 2020

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Current Trends in the field of  
Biosensors, Bioelectronics and  
Microfluidics



# Oral Session



**Title:** Nanomaterials modified electrochemical sensors for the analysis of biological samples from patients with different disease: A Decade Study (2010 -2020)

Sunita Bishnoi, Vivekananda Global University, India

12:30 - 13:00



**Title:** eCovSens-ultrasensitive novel in-house built printed circuit board based electrochemical device for rapid detection of nCovid-19 antigen, a spike protein domain 1 of SARS-CoV-2

Sonu Gandhi, National Institute of Animal Biotechnology, India

13:00 - 13:30



**Title:** New strategy for detection of escherichia coli using disposable electrode from drinking water

Sallahuddin Panhwar, Balochistan University of Engineering & Technology, Pakistan

13:30 - 14:00



**Title:** The “genome-inspired design” principle in the development of fast biocompatible pH sensors

Makar V. Sardushkin, Mendeleev University of Chemical Technology, Russia

14:00 - 14:30

# Oral and E-Poster Session



**Title:** A novel fluidic microcell: a new concept of continuous flow analysis for electrochemical measurements

Gianni Pezzotti Escobar, Institute for Microelectronics and Microsystems, Italy

14:30 - 14:45



**Title:** Paper-based biosensors: all the experimental meanings of “paper”

Stefano Cinti, University of Naples “Federico II”, Italy

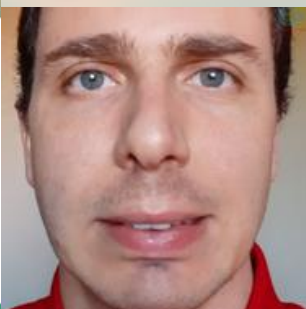
14:45 - 15:15



**Title:** Multi-purpose and multi-transduction analysis software for biosensing applications

Gianni Pezzotti Escobar, Institute for Microelectronics and Microsystems, Italy

15:15 - 15:30



**Title:** Microchannel cantilever spotting for DNA biosensors: Microfluidics at work

Giuseppe Arrabito, University of Palermo, Italy

15:30 - 16:00

# Oral and E-Poster Session



**Title:** Production and characterization of Chlamydomonas mutants for optical and electrochemical bio-sensing

Maya Dimova Lambreva, Institute of Crystallography, Italy **16:00 - 16:15**



**Title:** Multipurpose lab on chip – From medical diagnostics to food and environmental monitoring

Giuseppe Maruccio, University of Salento, Italy **16:15 - 16:45**



**Title:** New multi-parametric thermo-fluid-dynamic sensor for the evaluation of thermal conditions in hospital application

Gianni Pezzotti Escobar, Institute for Microelectronics and Microsystems, Italy **16:45 - 17:00**

**Networking and Refreshment Break**  
**17:00-17:15**

# Oral and E-Poster Session



**Title:** Microfluidics for novel diagnostics and therapeutics

Zulfiquir Ali, Teesside University, UK

17:15 - 17:45



**Title:** Deep learning based skin compliant wearable sensors

Janet Roveda, University of Arizona, USA

17:45 - 18:15



**Title:** Boiling behaviour of nanofluids

Pradyumna Ghosh, Indian Institute of Technology (BHU)  
Varanasi, India

18:15 - 18:45



**Title:** Concussion screening through electronic platform

Janet Roveda, University of Arizona, USA

18:45 - 19:00

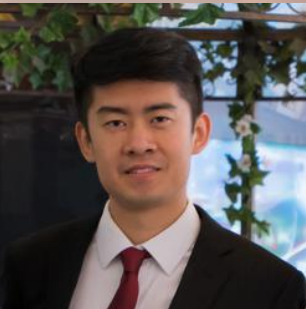
# Oral and E-Poster Session



**Title:** Spatio-temporal feature based deep neural network for cell lineage analysis in microscopy image

Siteng Chen, University of Arizona, USA

19:00 - 19:30



**Title:** Correlation of Dopamine Transporter Imaging and Wearable Sensor Monitoring for Parkinson's Disease

Jiayan Huo, University of Arizona, USA

19:30 - 20:00

Session Adjournment