

JOINT EVENT: CLUSTER OF EXCELLENCE MATTERS OF ACTIVITY (MOA), HUMBOLDT-UNIVERSITÄT ZU BERLIN AND CENTER OF EXCELLENCE - STIM, UNIVERSITY OF SPLIT

POSTER SESSION – PMFST, 11.7., 12:00, room: A01

POSTERS:

1. **Krešimir Dželalija**, Anton Kabaši, Ante Bilušić: „Development of two-dimensional micro fuel cell“
2. **Antonija Mravak**, Vlasta Bonačić-Koutecký i Stefan Vajda: "CO₂ conversion on monometallic and bimetallic Pd-doped copper tetramer clusters at zirconia support"
3. **Ana-Marija Vučković**, Jelena Budimir, Guillaume Combes, Boštjan Kokot, Lucija Krce, Eva Žerovnik, Iztok Urbančič, Miroslav Radman, Katarina Trajković: „Oxidation modulates aggregation and membrane interaction properties of superoxide dismutase 1“
4. **Guillaume Fabien Combes**, Romain Ladouce, Irena Drmić Hofman, Katarina Trajković, Mladen Merčep: „Oxime blot: a novel method for reliable and sensitive detection of carbonylated proteins in diverse biological systems.“
5. **Margarita Bužančić Milosavljević**, Antonija Mravak, Martina Perić Bakulić, Vlasta Bonačić-Koutecký: "Design of new materials for aggregation induced emission of light and Model systems for dye-sensitized solar cells"
6. **Roberta Frlleta Matas**, Marijana Popović, Martina Čagalj, Vida Šimat: „Green extraction of marine diatom *Thalassiosira rotula* - hydroalcoholic mixtures for higher yield of bioactive compounds.“
7. **Marija Kvesić Ivanković**, Morena Galešić Divić, Mia Dželalija, Mak Kišević, Marin Miletić, Ana Maravić, Roko Andričević: „Application of multimodal systems in coastal water quality monitoring: The fusion of biology and engineering“
8. **Jure Penga**, Željko Penga: „Novel PEM fuel cell flow field with auxiliary channels: optimization of cathode channels for improved water removal“

9. **Filip Frntić**, Darko Koračin, John Mejia, Petar Stipanovic: "Lagrangian simulations of dispersion of sea pollutants in the middle Adriatic"

10. **Anton Kabaši**, Ante Bilušić, Krešimir Dželalija: „Thermal conductivity measurement system for fuel cell ionomer films“

11. **Josipa Šćurla**, Karla Tokić, Ante Bilušić, László Forró, Trpimir Ivšić: „Low temperature, magnetic field-dependent electrical transport of single crystal rutile TiO₂“

12. **Boris Delipetar**, Jelena Žarković i Damir Kovačić: „High-density neuroelectronic interface for electrophysiology of primary auditory neurons cultured in-vitro.“

13. **Martina Perić Bakulić**, Emmanuelle Bignon, Željka Sanader Maršić: „Synergy of Oxidoreductases and Electrodes: Towards the Design of Enzymatic Biosensors and Biofuel Cells“

14. **Jelena Žarković**, Ana Bedalov, Boris Delipetar, Tihomir Marjanović, Milan Blašković, Ishita Agrawal, Slaven Garaj, Damir Kovačić: „Fluorinated graphene cell-culturing surfaces alter morphological properties of neonatal spiral ganglion cultured in-vitro“

15. **Kajan Katarina**, Maliheh Mehrshad, Kirkegaard Rasmus, Kostešić Ema, Jalžić Branko, Cukrov Neven, Marguš Marija, Marković Tamara, Pjevac Petra, Orlić Sandi: „Functional stratification and activity of microbial community in Sarcophagus anchialine cave“

16. **Anamarija Stoilova Pavasović**, Ivan Pivac, Frano Barbir, Ivan Jurić i Boris Šimić: „Experimental investigation on electrochemical hydrogen compressor performance“

17. **Andrej Zvonimir Tomić**, Ivan Pivac, Frano Barbir: „Preliminary investigation of activation procedures for a PEM electrolyzer“

18. **Vjeko Dimić**, Anton Kabaši, Ante Bilušić, Ivana Weber “Synthesizing a Spatially Arranged Network of Gold Micro and Nanoclusters on Silicon Substrate“