



***Marie Skłodowska-Curie Actions-Innovative Training Networks
H2020-MSCA-ITN-2018: BIKE 813748***

TRAINING EVENT 2

**Preparation and characterization of catalysts for hydrogen
production**



24-26 June 2020

**Institute of Organic Chemistry with Centre of Phytochemistry
Bulgarian Academy of Sciences, Sofia, Bulgaria**

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Innovative Training Networks (MSCA-ITN), grant agreement 813748**

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**Preparation and characterization of catalysts for hydrogen
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24-26 June 2020, Sofia, Bulgaria

PROGRAMME

Organizing committee

- **Prof. DSc. Tanya TSONCHEVA**
- **Prof. Dr. Nartzislav PETROV**
- **Assoc. Prof. Dr. Momtchil DIMITROV**
- **Assoc. Prof. Dr. Boyko TSYNTSARSKI**
- **Ass. Prof. Dr. Gloria ISSA**
- **Ass. Prof. Dr. Radostina IVANOVA**

Wednesday, 24th June 2020

9:00-9:15 (CET)	Opening ceremony
9:15- 10:00 (CET)	Sonia Damyanova: <i>Methane reforming to hydrogen over supported catalysts</i>
10:15-11:00 (CET)	Momtchil Dimitrov: <i>Synthesis of mesoporous oxides as catalysts or catalytic supports for various redox processes</i>
11:00-11:30 (CET)	Break
11:30-12:15 (CET)	Pavletta Shestakova: <i>Solid state NMR spectroscopy: basic principles and applications in heterogeneous catalysis</i>

Thursday, 25th June 2020

9:00- 9:45 (CET)	Daniela Kovacheva: <i>Application of powder X-Ray Diffraction method for catalysts characterization</i>
10:00-10:45 (CET)	Daniela Karashanova: <i>Transmission Electron Microscopy: from the principles to the opportunity for analysis of catalytic materials</i>
10:45-11:15 (CET)	Break
11:15-12:00 (CET)	Kristina Chakarova: <i>Characterization of solid surface</i>

12:15-13:00 (CET) *using IR spectroscopy of probe molecules*
Alexander Eliyas: *Kinetic and mechanism of catalytic reactions*

Friday, 26th June 2020

9:00- 9:45 (CET) **Boiko Tsyntsarski:** *New carbon materials - methods of synthesis*

10:00-10:45 (CET) **Tanya Tsoncheva:** *“Green catalysts” for hydrogen production*

10:45-11:15 (CET) **Break**

11:15-12:00 (CET) **Denitsa Yancheva:** *Multi-analytical study of solid materials: application of vibrational spectroscopy combined with X-Ray and electron microscopy methods*

12:15-12:25 (CET) **Closing ceremony**