



СОФИЙСКИ УНИВЕРСИТЕТ  
„СВ. КЛИМЕНТ ОХРИДСКИ“



**Инфрамат**

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**NMR Spectroscopy Conference – Faculty of Chemistry and Pharmacy,  
Sofia University St. Kliment Ohridski**

“10 Years Laboratory Of NMR Spectroscopy At Faculty Of Chemistry And  
Pharmacy, Sofia University St. Kliment Ohridski”

Project SU 80-10-157 / 04/17/2024

***28 – 29 October 2024***

Faculty Of Chemistry And Pharmacy, Sofia University St. Kliment  
Ohridski,

1, James Bouchier Blvd.

**28/10/2024**

17:00 – 17:30 Opening ceremony: Prof. Rositca Nikolova – Head of the NMR Laboratory

17:30 – 18:00 Visit to NMR Laboratory

18:00 – Cocktail

**29/10/2024**

9:00 – 9:40 **Plenary Lecture** - NMR spectroscopy in revealing macrolide antibiotics structure and interactions, **Prof. Predrag Novak** - Department of Chemistry and Division of Analytical chemistry, University of Zagreb

9:40 – 10:00 – NMR metabolomics - an overview, **Prof. Dr. Svetlana Simova**, Bulgarian NMR Centre, Bulgarian Academy of Sciences

10:00 – 10:20 – Solid state NMR spectroscopy: applications in heterogeneous catalysis, **Prof. Dr. Pavleta Shestakova**, Bulgarian NMR Centre, Bulgarian Academy of Sciences

10:20 – 10:40 –  $^{19}\text{F}$ - $^{13}\text{C}$  Probes for NMR of Large Proteins, **Assoc. Prof. Vladimir Gelev**, Faculty of Chemistry and Pharmacy, Sofia University

10:40 – 11:00 Coffee break

11:00 – 11:40 **Plenary Lecture** – NMR from pharmacokinetics to medical diagnosis, **Prof. Dr. Calin Deleanu** - Romanian Academy, "Costin D. Nenitescu" Institute of Organic and Supramolecular Chemistry, Bucharest and "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

11:40 – 12:00 – Interplay between electronic and steric effects in systems with chemical exchange studied by dynamic NMR spectroscopy and DFT calculations, **Prof. Dr. Nikolay Vassilev**, Bulgarian NMR Centre, Bulgarian Academy of Sciences

12:00 – 12:20 – NMR Spectroscopy in refinery and biorefinery, **Dr. sc. Jelena Parlov-Vuković**, Institut Ruđer Bošković, Zagreb, Croatia

12:20 – 12:40 – Exploring the diversity of dark beers: A combined NMR and LC-MS profiling approach, **Dr. Dessislava Gerginova**, Bulgarian NMR Centre, Bulgarian Academy of Sciences

12:40 – 13:00 – Revealing brewery signatures: NMR metabolomics in Bulgarian stout beers, **Plamen Chorbadzhiev**, Bulgarian NMR Centre, Bulgarian Academy of Sciences

13:00 Closing ceremony: Prof. Rositca Nikolova