



SURFACE MODIFICATION OF MATERIALS WITH NANOMETRIC ORGANIC LAYERS

Contact person/Group leader: Prof. Dr. Fetah I. Podvorica



Affiliation

Academy of Sciences and Arts of Kosova,
Department of Chemistry, Faculty of Natural Sciences, University of Prishtina, Kosova
Department of Pharmacy, Faculty of Medicine, University of Prishtina, Kosova

Mail address

Rr. Agim Ramadani" nr 305, 10000 Prishtina, Kosova

Email/website

fetahpodvorica@ashak.org, fetah.podvorica@uni-pr.edu

https://fshmn.uni-pr.edu/getattachment/Departamentet/Departamenti02/Bachelor/Programi-Kimi/CV--Fetah-Podvorica_s.pdf.aspx

Group Members

Prof. Dr. Fetah I. Podvorica; Prof. Assoc. Dr. Avni Berisha; Ass. Dr. Dardan Hetemi;

Google Scholar

<https://scholar.google.com/citations?user=okCcEFAAAAAAJ&hl=fr>

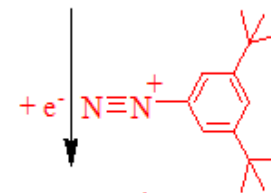
Scopus

<https://www.scopus.com/authid/detail.uri?authorId=6506285187>

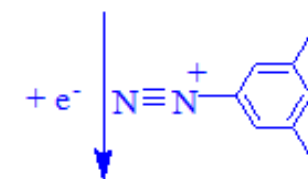
Research lines

- Electro-chemical modification of the surfaces of materials with 2D nanometer organic films derived from aryl diazonium salts and some other organic moieties. The method is easy to perform and is compatible with a wide range of materials of massive electrodes made on carbon, metals, semiconductors and nanomaterials surfaces including graphene, carbon nanotubes, gold nanoparticles, gold nano-rods, quantum dots.
- Use of the strongly attached organic layers to prepare nano-composites for various applications in bio-sensing, micro and molecular electronics or as a platform for post modifications.

carbon or metal



monolayer



multilayer