



Madalina Elena Culica

Research Assistant, PhD Student

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Research topics

- organic chemistry, •macromolecular chemistry, •selective oxidation of polysaccharides,
- chemical characterization of biopolymers and organic compounds by using FTIR, RMN;

Profile address:

Researcher ID: AAH-3230-2020 (<https://publons.com/researcher/AAH-3230-2020/>)

Scientific research

Author and co-author of **6 articles**, **2 articles in proceedings**, over **12 participations at national and international scientific meetings**.

Relevant Publications

1. Culica M.E., Biliuta G., Rotaru R., Lisa G., Baron R. I., Coseri S.
New Electromagnetic Shielding Materials Based on Viscose-Carbon Nanotubes Composites
Polymer Engineering and Science, 2019, 59(7), 1499-1506
DOI 10.1002/pen.25149
2. Culica M.E., Avadanei M., Baron R.I., Chibac-Scutaru A.L., Asandulesa M., Biliuta G., Lisa G., Coseri S.
The source of conductivity and proton dynamics study in TEMPO-oxidized cellulose doped with various heterocyclic molecules.
Cellulose, 2020, 27, 8585–8604
3. Culica M.E., Chibac-Scutaru A.-L., Mohan T., Coseri S.
Cellulose-based biogenic supports, remarkably friendly biomaterials for proteins and biomolecules,
Biosensors and Bioelectronics, 2021, 182, 113170