

List of publications

1. Florina Teodorescu, **Andrei Iulian Slabu**, Octavian Dumitru Pavel, Raluca Zăvoianu, „A comparative study on the catalytic activity of ZnAl, NiAl, and CoAl mixed oxides derived from LDH obtained by mechanochemical method in the synthesis of 2-methylpyrazine”, *Catalysis Communications*, **2020**, 133, 105829 (IF = 3.612)

2. Florina Teodorescu, **Andrei Iulian Slabu**, Octavian Dumitru Pavel, „Vapor phase synthesis of alkylpyrazines over ZnAl mixed oxide derived from layered double hydroxides obtained by the mechanochemical method”, *Reaction Kinetics, Mechanisms and Catalysis*, **2021**, 133 (2), 863-877 (IF = 1.5)

3. **Andrei Iulian Slabu**, Nicoleta Doriană Banu, Brîndușa Bălănuță, Florina Teodorescu, Raluca Stan, „Plant-Based Resins Obtained from Epoxidized Linseed Oil Using a MgAl Hydrotalcite Catalyst”, **2022**, *UPB Sci. Bull. Ser. B Chem. Mater. Sci*, 84, 45-54, ISSN 1454-2331

4. **Andrei Iulian Slabu**, Ionuț Banu, Octavian Dumitru Pavel, Florina Teodorescu, Raluca Stan „Sustainable Ring-Opening Reactions of Epoxidized Linseed Oil in Heterogeneous Catalysis”, *Sustainability*, **2023**, 15 (5), 4197 (IF = 3.9)

SCIENTIFIC EVENTS

INTERNATIONAL

Oral Presentations

1. **A. I. Slabu**, F. Teodorescu, R. Stan, *Functionalization of Epoxidized Vegetable Oil through Heterogenous Catalysis*, Conferință: 22nd Romanian International Conference on Chemistry and Chemical Engineering, 07.09.2022, Sinaia, România.
2. **A. I. Slabu**, F. Teodorescu, R. Stan, *Sustainable Materials Functionalization of Epoxidized Linseed Oil*, Simpozion: Polymer and Supramolecular Chemistry, 25.10.2022, București, România.

Posters

3. **A. Slabu**, O. Pavel, F. Teodorescu, *Alkylpyrazines Synthesis over Zn/Al Mixed Oxide Obtained by Mechanochemical Method*, Conferință: International Conference “Achievements and Perspectives of Modern Chemistry”, 9.10.2019, Chișinău, Republica Moldova.
4. **A. Slabu**, F. Teodorescu, *Plant Based Resins Obtained from Epoxidized Linseed Oil Using a Heterogenous Hydrotalcite Catalyst*, Workshop: Contemporary Solution for Advanced Materials with High Impact on Society (CoSolMat), 12.10.2021, București, România.

NATIONAL

Oral Presentations

1. **A. I. Slabu**, F. Teodorescu, R. Stan, *Funcționalizarea uleiurilor vegetale în cataliză eterogenă*, Simpozion: „120 de ani de la nașterea Academicianului Costin D. Nenițescu”, 22.09.2022, Academia Română, București, România.

Posters

2. **A. I. Slabu**, F. Teodorescu, R. Stan, *Monomers Obtained by Functionalizing Linseed Oil Using Undecylenic Acid*, Conferință: XXXVI-a Conferință Națională de Chimie, 5.10.2022, Călimănești-Căciulata, România.
3. L. Miu, **A. I. Slabu**, F. Teodorescu, R. Stan, *Oleogels with Sun Protection Factor Based on Sea Buckthorn Oil*, Conferință: XXXVI-a Conferință Națională de Chimie, 5.10.2022, Călimănești-Căciulata, România.