



ANEXA 6

**LISTA PUBLICAȚIILOR REZULTATE ÎN URMA CERCETĂRII ȘTIINȚIFICE DIN
PROGRAMUL DE STUDII DOCTORALE**

Nume: Pop (căș. Apostol)
Prenume: Irina

1. Lucrări publicate:

- în reviste cotate ISI (Web of Science cu factor de impact):

- a) **Apostol I.**, Anghel N., Dinu M.V., Ziarelli F., Mija A., Spiridon I., An eco-friendly strategy for preparing lignin esters as filler in materials for removal of argan oil and sunflower oil, *React. Funct. Polym.* 190 (2023) 105620. <https://doi.org/10.1016/j.reactfunctpolym.2023.105620> (IF: 5,1 – Q2 conform AIS; Q1 conform IF)
- b) **Apostol I.**, Anghel N., Doroftei F., Bele A., Spiridon I., Xanthan or esterified xanthan/cobalt ferrite-lignin hybrid materials for methyl blue and basic fuchsine dyes removal: equilibrium, kinetic and thermodynamic studies, *Mater. Today Chem.* 27 (2023) 101299. <https://doi.org/10.1016/j.mtchem.2022.101299> (IF: 7,3 – Q2 conform AIS; Q1 conform IF)
- c) Spiridon I., **Apostol I.**, Anghel N.C., Zaltariov M.F., Equilibrium, kinetic, and thermodynamic studies of new materials based on xanthan gum and cobalt ferrite for dye adsorption, *Appl. Organomet. Chem.* (2022) e6670. <https://doi.org/10.1002/aoc.6670> (IF: 3,9 – Q2 conform AIS; Q2 conform IF)
- d) Spiridon I., Dascalu I.-A., Coroaba A., **Apostol I.**, Palamaru M.N., Iordan A.R., Borhan A.I., Synthesis and characterization of new ferrite-lignin hybrids, *Polymers.* 13 (2021) 2495. <https://doi.org/10.3390/polym13152495> (IF: 5,0 – Q1 conform AIS; Q1 conform IF)

Rezultate care nu sunt incluse în teză

Anghel N., **Apostol I.**, Dinu M.V., Dimitriu C.D., Spiridon I., Verestiuc L., Xanthan-Based Materials as a Platform for Heparin Delivery, *Molecules* 28 (2023) 2757. <https://doi.org/10.3390/molecules28062757> (IF: 4,6 – Q2 conform AIS; Q2 conform IF)

2. Comunicări la conferințe naționale sau internaționale

- a) **Irina Apostol**, Adina Coroaba, Iuliana Spiridon, Degraded sunflower oil adsorption onto natural-polymers-based materials, PhD Students' Days (3th edition), UAV Arad (Romania), May 2023
- b) **Irina Apostol**, Maria Valentina Dinu, Narcis Anghel, Iuliana Spiridon, Xanthan and lignin esters – based materials for degraded argan oil sorption, NeXT-Chem” Innovative Cross-Sectorial Technologies” (5th edition), ICECHIM Bucharest (Romania), May 2023
- c) **Irina Apostol**, Narcis Anghel, Florica Doroftei, Iuliana Spiridon, Natural polymers-based materials as adsorbents for anionic dyes, Scientific communications session of young researchers, Macro Youth (3th edition), ICMPP Iași (Romania), November 2022
- d) **Irina Apostol**, Adrian Bele, Iuliana Spiridon, Cationic dye removal using materials based on xanthan or esterified xanthan/cobalt ferrite-lignin hybrid, PRIOCHEM “Priorities of Chemistry for a Sustainable Development”, (18th edition), ICECHIM, București (Romania), October 2022
- e) **Irina Apostol**, Iuliana Spiridon, Narcis-Cătălin Anghel, Mirela-Fernanda Zaltariov, Thin films based on xanthan and cobalt ferrite for Methyl Blue adsorption, NeXT-Chem” Innovative Cross-Sectorial Technologies” (4th edition), ICECHIM Bucharest (Romania), May 2022
- f) **Irina Apostol**, Narcis Anghel, Iuliana Spiridon, Xanthan acrylate/cobalt ferrite material for removing dyes from wastewaters, Scientific communications session of young researchers, Macro Youth (2nd edition), ICMPP Iași (Romania), November 2021
- g) **Irina Apostol**, Narcis Anghel, Iuliana Spiridon, New xanthan-Co ferrite materials for removal of dyes from wastewater, Scientific communications session of young researchers, Macro Youth (1st edition), ICMPP Iași (Romania), November 2020

3. Prezentări postere la conferințe naționale sau internaționale

Irina Apostol, Ioan-Andrei Dascalu, Adina Coroaba, Iuliana Spiridon, Lignin as source of new hybrid materials, International Conference Progress in Organic and Macromolecular Compounds (28th edition) ICMPP Iași (Romania), October 2021

Irina Pop (căs. Apostol)



Aviz,
Conducător de doctorat
Dr.habil Iuliana Spiridon

