

LISTA DE LUCRARI

Săpunaru (născută Țaga) Olga- Valerica

Teză de doctorat :

“Studii comparate de distilare reactivă în procese de esterificare și eterificare” -
UNIVERSITATEA „POLITEHNICA” din BUCUREȘTI, 2019

Lucrări cu caracter didactic (Edituri recunoscute CNCSIS):

1. SAPUNARU O.V., KONCSAG C. I., Procese de transfer de masă – Indrumar de aplicații practice și numerice, (ISBN 978-606-13-4879-4), Iași, Ed. Pim, 2019.

Articole in extenso in reviste indexate ISI:

1. ȚAGA (SĂPUNARU), O.V, KONCSAG,C.I., MARES, A.M.,JINESCU, G.,Isopropyl lactate obtaining by esterification in a reactive distillation system, Rev.Chim. (Bucharest), **69**, no. 12, 2018, p. 3423, (<http://www.revistadechimie.ro/pdf/18%20TAGA%2012%2018.pdf>)
2. ȚAGA (SAPUNARU), O. V., KONCSAG, C. I., SIVRIU, A. M., JINESCU,G., Isopropyl lactate obtaining by transesterification in reactive distillation system, Rev.Chim. (Bucharest), **70**, no. 1, 2019, p.18, (<http://www.revistadechimie.ro/pdf/4%20TAGA%201%2019.pdf>).
3. ȚAGA (SĂPUNARU), O.V, KONCSAG,C.I., JINESCU, C., MARES, A.M., Simulation and optimization of isopropyl lactate manufacturing process, Rev.Chim. (Bucharest), **70**, no. 9, 2019, p. 3335, (<https://www.revistadechimie.ro/pdf/52%20TAGA%20SAPUNARU%209%2019.pdf>).
4. ANA MARIA SIVRIU, CLAUDIA-IRINA KONCSAG, ALINA-MONICA MARES, ROXANA TIRPAN, OLGA SAPUNARU, GHEORGHITA JINESCU, Olefins and fuels from frying palm oil through pyrolysis, Environmental Engineering and Management Journal, Vol. 19, No. 2, 2020, p. 345-352, (<https://DOI:10.30638/EEMJ.2020.032>).
5. ANA MARIA SIVRIU, OLGA VALERICA SAPUNARU*, ANCAELENA ELIZA STERPU , DOINITA-ROXANA CIOROIU TIRPAN, TIMUR VASILE CHIS, TANASE DOBRE, Thermal Treatment under Vacuum for Obtaining a Quenchant from Rapeseed Oil, Processes, 2021, 9 (12), p. 2189. (<https://doi.org/10.3390/pr9122189>)
6. STEFAN PETRACHE, TIMUR CHIS*, ANCAELENA ELIZA STERPU and OLGA VALERICA SĂPUNARU, Radioactive Elements Detected in Abandoned Oil Tank Farms, Processes 2022, 10, 374. (<https://doi.org/10.3390/pr10020374>).

7. SIBEL OSMAN; OLGA VALERICA SAPUNARU*; ANCAELENA ELIZA STERPU; TIMUR VASILE CHIS; CLAUDIA I.KONCSAG, Impact of adding bioethanol and dimethyl carbonate on gasoline properties, *Energies* 2023, 16(4), 1940, <https://doi.org/10.3390/en16041940>.

8. Olga V Săpunaru, Ancaelena E Sterpu, Mihaela Brînzei, Silviu Pascu, Claudia I Koncsag, ETHERIFICATION OF OLEFINS FROM CATALYTIC CRACKING GASOLINE TO INCREASE ITS OCTANE NUMBER, *Chemical Engineering and Processing-Process Intensification* 2023, 188, 109374, <https://doi.org/10.1016/j.cep.2023.109374>.

9. O.V. Săpunaru, A. E. Sterpu, C. A. Vodounon, S. Osman, C. I. Koncsag, Rheology of new lubricating greases made from renewable materials, *Ovidius University Annals of Chemistry* 34 (2023), 91 - 98, DOI: 10.2478/auoc-2023-0012

Articole in extenso in reviste cotate ISI fără scor absolut de influență și cu sau fără factor de impact:

1. Timur Chis, Ancaelena Eliza Sterpu, and Olga Valerica Săpunaru, *The effect of corrosion on crude oil distillation plants*, *Chem Engineering* 2022, 6(3), 41; <https://doi.org/10.3390/chemengineering6030041>, Impact factor 0, Scor citare 4,0.

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1. TIMUR CHIS, STEFAN PETRACHE, OLGA SAPUNARU, Use the use of oil-cake (sunflower) in the depollution of petroleum infested water, *GEOLINKS International Conference 2021, Conference Proceedings, Book 1, Biotechnologies*, ISSN 2603-5472, ISBN 978-619-7495-17-1, 249-257 pp, 17 – 19 Mai 2021, Bulgaria, DOI paper 10.32008/GEOLINKS2021/B1/V3/28.
2. Timur Chiș, Vasile-Timur Chiș, Ancaelena Eliza Sterpu, Olga Valerica Săpunaru, Marius Bănică, **Effects of metals from oil to polluted soil**, 6th International E-Conference on Advances in Engineering, Technology And Management 2021, 12 decembrie 2021, Online (Via Video Conference), (Conferinta inclusă în Seek Digital Library), DOI : 10.15224/ 978-1-63248-193-1-08, pag. 30-35, ISBN : 978-1-63248-193-1.

Articole in reviste recunoscute CNCSIS tip BDI:

1. ȚAGA (SĂPUNARU), O. V., KONCSAG, C. I., JINESCU, G – The study of lactic acid esterification with methanol through reactive distillation, *UPB Scientific Bulletin, Series*

- B: Chemistry and Material Sciences, **79**(3), 2017, p.37-48 (https://www.scientificbulletin.upb.ro/rev_docs_arhiva/full06f_148829.pdf)
2. ANA-MARIA SIVRIU, GHEORGHITA JINESCU, OLGA SAPUNARU (TAGA), DOINITA ROXANA TIRPAN, CLAUDIA-IRINA KONCSAG, Theoretical and practical aspects for thermal treatment of waste vegetable oils, Journal of Engineering Sciences and Innovation, B. Chemical Engineering, Materials Science and Engineering, Volume 4, Issue 4 / 2019, pp. 349-360 https://jesi.astr.ro/wp-content/uploads/2019/12/2_Sivriu-Ana-Maria.pdf.
 3. ANA-MARIA SIVRIU, GHEORGHITA JINESCU, OLGA SAPUNARU (TAGA), DOINITA ROXANA TIRPAN, CLAUDIA-IRINA KONCSAG, Pyrolysis of Waste Palm Oil in the Presence of Steam, Rev.Chim. (Bucharest), **70**, no. 12, 2019, p. 4175-4180, <https://doi.org/10.37358/RC.19.12.7728>.
 4. TIMUR CHIS, VASILE-TIMUR CHIS, OLGA VALERICA SAPUNARU, ANCAELENA ELIZA STERPU, **Effects of Biodiesel to Soil**, Journal of Environmental Protection, 2021, 12, 1009-1018, *Impact factor 1,35*, ISSN 2152-2219, indexată în Google Scholar, DOI: [10.4236/jep.2021.1212059](https://doi.org/10.4236/jep.2021.1212059)
 5. TIMUR CHIS, ANCAELENA ELIZA STERPU, OLGA VALERICA SAPUNARU, Metals detection in abandonment oil tank farm, Bulletin OF Romanian CHEMICAL ENGINEERING SOCIETY, VOL 9, NR 1, 2022, ISSN 2360-4697, p. 63.
 6. TIMUR CHIS, ANCAELENA ELIZA STERPU, OLGA VALERICA SAPUNARU, Rheological study on romanian types of oils, BULLETIN OF ROMANIAN CHEMICAL ENGINEERING SOCIETY, VOL 9, NR 1, 2022, ISSN 2360-4697, p. 51;

Brevete de invenție:

1. TAGA OLGA, BĂNCILĂ MARGARETA, FĂGĂRĂȘAN GHEORGHE, TĂVĂLUC LIVIA, CHELARU NATAȘA, GHERASIM IOAN, BĂNICĂ CAMELIA, TANCĂU MARGARETA, DOGARU TEODOR, - Brevetului de invenții cu numărul 00115626 - PROCEDU DE PURIFICARE A CLOROFORMULUI TEHNIC, 1996 (https://ro.espacenet.com/publicationDetails/biblio?II=0&ND=3&adjacent=true&locale=ro_RO&FT=D&date=20000428&CC=RO&NR=115626B1&KC=B1)

Lucrari comunicate, cu rezumatul publicat in volumele conferintelor internaționale

1. Olga V. TAGA (SĂPUNARU), Claudia I. KONCSAG, Valorization of waste cooking oil, SicheM, 17-18 Noiembrie 2022, Bucuresti, Romania *Book of abstracts*, SA-KN001, p. 16.
2. Olga TAGA (SĂPUNARU), Ancaelena Eliza STERPU, Silviu PASCU, Mihaela BRÎNZEI, Claudia Irina KONCSAG, **NEW TECHNOLOGY FOR ETHERS MANUFACTURING BY REACTIVE DISTILLATION PROCESS**, INTERNATIONAL CONFERENCE "CHIMIA", 27 – 29 Mai 2021, Constanta,

Romania, BOOK OF ABSTRACTS, Volume 4, 2020, SECTION D: PETROLEUM TECHNOLOGY AND MANAGEMENT, ISSN 2360-3941, p. 75.

3. Țaga (Săpunaru), O. V., Koncsag, C. I., Mares, A. M., Sivriu, A. M., Jinescu, G., Optimization of the lactic acid esterification in reactive distillation process, 4th International Conference on Chemical Engineering, 30 octombrie – 2 noiembrie 2018, Iași, Romania, *Book of abstracts*, S1-32.
4. Sivriu, A. M., Koncsag (Muntean), C. I., Mares, A. M., Tirpan, D. R., Sapunaru, O.V., Jinescu, G., Olefins and Fuels from Frying Palm Oil through Pyrolysis, 4th International Conference on Chemical Engineering, 30 octombrie – 2 noiembrie 2018, Iași, Romania, 2018, *Book of abstracts*, S3-37.
5. Țaga (Săpunaru), O., Koncsag, C. I., Mares, A. M., Jinescu, G., Process design for etherification of FCC gasoline's olefine in situ, International Symposium of Chemical Engineering and Materials, Sichem, 6-7 septembrie 2018, Bucuresti, *Book of abstracts*, p. 80.
6. Țaga (Săpunaru) O., Koncsag, C.I, Jinescu, G., Performing esterification reactions through reactive distillation, Conferinta Internationala Chimia, 24-26 mai 2018, Constanta, *Book of abstracts*, Vol. 3 , p.78.
7. Țaga, (Săpunaru) O., Brânzei, M., Pascu, S., Jinescu, G., & Koncsag, C. I. - Simulation of reactive distillation process for enhancing the octane number of gasolines, Sichem – Bucuresti, 8-9 septembrie 2016, *Book of abstracts* , 92.
8. Țaga, (Săpunaru) O., Pascu, S., Brânzei, M., Koncsag, C. I., & Jinescu, G. - Augmenter l'octane de l'essence par etherification in situ, LE NEUVIÈME COLLOQUE FRANCO – ROUMAIN DE CHIMIE APPLIQUÉE, CoFroCA, 29 iunie – 2 iulie 2016, Clermont Ferand, Franta, *Book of abstracts*, p. 191.
9. Branzei, M., Țaga (Săpunaru) O., Koncsag, C.I, Influence of azeothopy on the etherification in situ of FCC gasoline, CHIMIA 2016, 26-28 mai 2016, Constanta, Romania, *Book of abstracts*, PD4, p.67.

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