

**Universitatea Națională de Știință și Tehnologie POLITEHNICA București**  
**Facultatea Inginerie Chimica și Biotehnologii**  
**Departament Inginerie Chimică și Biochimică**  
Nume Prenume **Dobre Tanase**  
Grad didactic: **Profesor universitar**

## **L I S T A**

### **lucrărilor științifice în domeniul disciplinelor din postul didactic**

#### **A. Teza de doctorat**

1. Transfer de masa în utilaje de mare capacitate: Coloane cu umplutura mobilă, Universitatea Politehnică București, 1985

#### **B. Cărți și capitole în cărți publicate în ultimii 10 ani**

1. Anicuta Stoica, Marta Stroescu, T.Dobre, Probleme de transfer termic în industria alimentară, Ed. Electra, 325 pag., București, 2016
2. Dobre T., Stoica Anicuta, Intensificarea transferului de masa, Ed. Electra, 305 pag, București, 2017

#### **C. Lucrări indexate ISI/BDI publicate în ultimii 10 ani**

1. Ilie M.C., Maior I., Raducanu C.E., Deleanu I.M., Dobre T., Parvulescu O.C., *Experimental Investigation and Modeling of Film Flow Corrosion*, Metals 2023, 13, 1425.  
<https://doi.org/10.3390/met13081425>
2. Molos A., Pârvulescu O.C., Ion V.A., Asanică A.C., Soane R., Mot A., Dobrin A., Frîncu M., Løes A.-K., Cabell J., et al. *Effects of Marine Residue-Derived Fertilizers on Strawberry Growth, Nutrient Content, Fruit Yield and Quality*, Agronomy **2023**, 13, 1221, <https://doi.org/10.3390/agronomy13051221>
3. Alexandru Dan Vasiliu , Tanase Dobre\* , Cristian Eugen Raducanu, Ciprian Marius Ilie, *Liquid flow structure and mass transfer in horizontal axis rotating disks contactors I. experimental and liquid flow structure results* , U.P.B. Sci. Bull., Series B, Vol. 85, Iss. 2, 3-18, 2023 ISSN 1454-2331
4. Ciprian Marius Ilie , Tanase Dobre\* , Cristian Eugen Raducanu , Alexandru Dan Vasiliu, *Liquid flow structure and mass transfer in horizontal axis rotating disks contactors. ii\* mass transfer kinetics in liquid and gas phases*, U.P.B. Sci. Bull., Series B, Vol. 85, Iss. 3, 17-30, 2023 ISSN 1454-2331
5. Ahmed, S.B., Dobre, T., Kamar, F.H., Deleanu, I.M., *Biosorption of lead and cadmium onto hazelnuts shells in a fixed-bed column*, U.P.B. Scientific Bulletin, Series B, 84 (3) 41-52 (2022). ISSN: 1454-2331
6. Calcan, S.I., Pârvulescu, O.C.\*, Ion, V.A., Răducanu, C.E., Bădulescu, L., Madjar, R., Dobre, T., Egri, D., Moț, A., Iliescu, L.M., Jerca, I.O. (2022) *Effects of biochar on soil properties and tomato growth*. Agronomy, 12, art. no. 1824, 1–14, ISSN:2073-4395 (Q1)
7. Calcan, S.I., Pârvulescu, O.C.\*, Ion, V.A., Răducanu, C.E., Bădulescu, L., Dobre, T., Egri, D., Moț, A., Popa, V., Crăciun, M.E. (2022) *Valorization of vine prunings by slow pyrolysis in a fixed-bed reactor*. Processes, 10 (1), art. no. 37, 1–17, ISSN:22279717, WOS:000757674900001

8. Diaconu, I., Pârvulescu, O.C.\*, Topală, S.L., Dobre, T. (2021) *Effects of process factors on performances of liquid membrane-based transfer of indole-3-acetic acid*. Sci. Rep., 11 (1), art. no. 23427, ISSN:2045-2322, WOS:000727615800033 (Q1).
9. Ahmed, S.B., Dobre, T., Kamar, F.H., Mocanu, A., Deleanu, I.M., Full factorial design and dynamic modelling of silent and ultrasound-assisted lead and cadmium removal by porous biosorbent, Scientific Reports, 12 (1) 8158 (2022). ISSN: 2045-2322. DOI: 10.1038/s41598-022-12454-4. WOS: 000815482800038. (Q2, IF-4.996).
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11. Duru, J.M., Pârvulescu, O.C., Dobre, T., Răducanu, C.E. (2021) Stochastic modelling of cellulose hydrolysis with Gauss and Weibull distributed transition probabilities. Sci. Rep., 11(1), art. no. 9466, ISSN: 2045-2322, WOS:000656356400003.
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48. Dima S.O., Dobre T., Chetaru O., Nicolae C. A., Spataru C. I., Sarbu A., Molecularly imprinted poly(acrylonitrile-co-acrylic acid) matrix with sclareol (2014) *Polymer Engineering and Science*, 54 (7), pp. 1484-1494, DOI: 10.1002/pen.23689
49. Pavaloiu R.D., Stoica-Guzun A., Stroescu M., Dobre T., Use of bacterial cellulose as reinforcement agent and as coating agent in drug release applications (2014) *Revista de Chimie*, 65 (7), pp. 852-855
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#### **D. Lucrări publicate în ultimii 10 anii în reviste și volume de conferințe cu referenți (neindexate)**

##### **- Reviste**

1. Ali Al Janabi, Al Sakini Ahmed Hameed, Tanase Dobre, Pervaporation of aqueous ethanol solutions through pure and composite cellulose/biocellulose membranes, BRChES, 3(1), (2015), 26-33
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9. Bucșe, A., Vasiliu, D., Bălan, S., Pârvulescu, O.C., Dobre, T. (2020) Heavy metal spatial distribution and pollution assessment in the surface sediments of the North–Western Black Sea shelf. Rev. Chim. (Bucharest), 71 (4), 155–170, 2020, ISSN:0034-7752
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3. Claudia Ana Maria Patrichi, Tănase Dobre, On some aspects from operation of a large wastewater treatment plants, Bulletin of Romanian Chemical Engineering Society, 7 (1), 94–107, 2021, ISSN:2360-4697
12. Ciprian Ilie, Cristian Raducanu, Tanase Dobre, Timur Chis, Modeling of some cases of metal pickling, Bulletin of Romanian Chemical Engineering Society, 7 (1), 117–124, 2021, ISSN:2360-4697
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14. Doinita-Roxana CIOROIU TIRPAN, Cristian RADUCANU, Timur CHIS, Tănase DOBRE, Extraction of polysaccharides from *Ceramium Rubrum* BRChES, 9,1,94-103,2022

15. Laura PETRAȘ, Claudia KONCSAG, Oana PÂRVULESCU, Iuliana DELEANU, Cristian E. RĂDUCANU, Tănase DOBRE, A simple model for gasoline hydrofining, BRChES, 9,2,134-140, 2022
16. Tănase DOBRE, Shaalan BDAIWI AHMED, Iuliana Mihaela DELEANU, Heavy metals removal from soil and air – a brief review, BRChES, 10,1,38-50, 2023
17. Eliza-Gabriela BRETTFELD, Tănase DOBRE, Cristian Andi NICOLAE, Diana CONSTANTINESCU-ARUXANDEI, Florin OANCEA, Water influence on the thermal properties of deep eutectic solvents: a TGA study, BRChES, 10,1,59-67, 2023
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**- Selecție cu maximum 20 lucrări în volume de conferințe**

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2. Claudia Patrichi, Claudia Koncsag, Oana Parvulescu, Anicuta Stoica, Tanase Dobre, Coupled process for ABE synthesis and theirs optimization problem , RICCCE 21, Mamaia 5-7 september 2019,
3. Alina Georgiana Ciufu, Cristian Raducanu , Oana Parvulescu, Doinita Roxana Tirpan , Tanase Dobre, Natural wool fibers: a viable substitute for the existing synthetic sorbents, RICCCE 21, Mamaia 5-7 september 2019
4. Duru Greg Josef, Oana Cristina Parvulescu, Tiberiu Dinu Danciu, Tanase Dobre, Stochastic modelling of cellulose hydrolysis with breaking probabilities Weibull distributed, RICCCE 21, Mamaia 5-7 september 2019
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8. Joseph Mcgreg Duru, Tănase Dobre, Oana Cristina Pârvulescu, Tiberiu Danciu, Andreea-Luiza Mîrț, Cristian Eugen Răducanu, Stochastic modeling of copper cementation in system with perfect mixed liquid: Particularization to fluidized bed phases contacting, 58-59, SICHEM 2022 Book of Abstracts, ISSN 2537-2254
9. Cristina Ionela Gogoasă, Oana Cristina Pârvulescu, Tănase Dobre, Cristian Eugen Răducanu, The rheoviscosimetry use in determining the hydrolysis capacity of specific drugs, SA P010, 141-142, SICHEM 2022 Book of Abstracts, ISSN 2537-2254

10. Laura Elisabeta Petraș, Claudia Koncsag, Oana Cristina Pârvulescu, Tănase Dobre, Iuliana Deleanu, Cristian Eugen Răducanu, A three-phase steady-state model for gasoline hydrofining, 143-145, SICHEM 2022 Book of Abstracts, ISSN 2537-2254
11. Shaalan Bdaiwi Ahmed, Iuliana Deleanu, Cristina Ionela Gogoasă, Tănase Dobre, Cristian Eugen Răducanu, Fixed bed simultaneous biosorption of heavy metals (lead and cadmium) on lignocellulosic residual biomass, SA P012, 146-147, SICHEM 2022 Book of Abstracts, ISSN 2537-2254
12. Marius Ciprian Ilie, Tănase Dobre, Oana Cristina Pârvulescu, Ioana Maior, Cristian Eugen Răducanu, Model parameters identification for corrosion in film flow, SA P013, 149-150, SICHEM 2022 Book of Abstracts, ISSN 2537-2254
13. Ioan A. Tutun, Tănase Dobre, Mihaela Cîltea Udrescu, Ciprian M. Ilie, Iuliana Deleanu, MODELING OF ASPHALTENE DEPOSITION IN FUEL OIL CARRIERS, A CASE STUDY for various fuel oils, SP 022, 161-162, SICHEM 2022 Book of Abstracts, ISSN 2537-2254
14. Aila-Elmaz Geambulac, Tănase Dobre, Macro and mesoplastics monitoring and evaluation in a small gulf from the black sea, SD P003, 198-199, SICHEM 2022 Book of Abstracts, ISSN 2537-2254

#### **E. Brevete obținute în întreaga activitate (dupa 2005)**

1. Gh . Puiu , T. Dobre , C. Pascanu, Solutii de cuprare chimica foarte stabile pentru fabricarea circuitelor imprimate cu gauri metalizate, Dosar O.S.I.M 91264 / sept 1976 ; Brevet 69264/aug. 1977 , Romania, Acoperire Romania , Franta , S.U.A , Aplicare Felix S.A - Bucuresti
2. T. Dobre , Gh. Puiu , C . Pascanu, Solutii de cuprare chimica groasa pentru fabricarea circuitelor imprimate cu gauri metalizate, Dosar O.S.I.M 94649 / aug 1977 ; Brevet 73649 / oct 1978 , Romania, Acoperire Romania , Franta ; Aplicare Felix S.A -Bucuresti
3. T.. Dobre , C . Pascanu , Gh . Puiu, Solutie si procedeu pentru gravarea acida a circuitelor imprimate cu recuperarea cuprului ca sulfat, Dosar O.S.I.M 95602 / nov1978 ; Brevet 77151 /martie 1978, Romania, Acoperire Romania , Franta ; Aplicare Felix S.A-Bucuresti
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