Lista de lucrări în domeniul de ştiinţă definit de disciplinele din postul scos la concurs

NUMELE ŞI PRENUMELE: Rápó Eszter

I. LISTA PUBLICAȚIILOR RELEVANTE

1. **Rápó E**, Aradi LE, Szabó Á, Posta K, Szép R, Tonk S*. Adsorption of Remazol Brilliant Violet-5R Textile Dye from Aqueous Solutions by Using Eggshell Waste Biosorbent. Scientific Reports. 2020; 10(1):8385. IF2020: **4.379 Q1/D1**

2. **Rápó E**, Tonk Sz*. Factors Affecting Synthetic Dye Adsorption; Desorption Studies: A Review of Results from the Last Five Years (2017–2021). Molecules. 2021; 26(17): 5419. IF: **4.927 Q1**

3. Tonk, S. & **Rápó, E***. Linear and Nonlinear Regression Analysis for the Adsorption of Remazol Dye by Romanian Brewery Waste By-Product, Saccharomyces cerevisiae. International Journal of Molecular Sciences. 2022; 23(19): 11827. IF: **6.208 Q1/D1**

4. Tonk, Sz., Aradi, L. E., Kovács, G., Turza, A., **Rápó, E***. Effectiveness and Characterization of Novel Mineral Clay in Cd^{2+} Adsorption Process: Linear and Non-Linear Isotherm Regression Analysis. Water. 2022; 14: 279. IF: **3.530 Q1**

5. **Rápó E**, Posta K, Csavdári A, Vincze BÉ, Mara G, Kovács G, et al. Performance Comparison of Eichhornia crassipes and Salvinia natans on Azo-Dye (Eriochrome Black T) Phytoremediation. Crystals. 2020; 10(7):565. IF2020: **2.589 Q2**

6. **Rápó E**, Posta K, Suciu M, Szép R, Tonk S*. Adsorptive Removal of Remazol Brilliant Violet-5R Dye from Aqueous Solutions using Calcined Eggshell as Biosorbent. Acta Chimica Slovenica. 2019; 66(3):648–58. IF: **1.263 Q3**

7. **Rápó E**, Szép R, Keresztesi Á, Suciu M, Tonk S*. Adsorptive Removal of Cationic and Anionic Dyes from Aqueous Solutions by Using Eggshell Household Waste as Biosorbent. Acta Chimica Slovenica. 2018; 65(3):709–17. IF: **1.076 Q3**

8. **Rápó E**, Jakab K, Posta K, Suciu M, Tonk S*. A Comparative Study on the Adsorption of Two Remazol Dyes on Green Adsorbent. Rev Chim. 2020; 71(4):248–57. IF2020: **1.755 Q3**

9. Haddidi I, Duc NH, Tonk S, **Rápó E**, Posta K. Defence Enzymes in Mycorrhizal Tomato Plants Exposed to Combined Drought and Heat Stresses. Agronomy. 2020; 10(11):1657. IF: **3.417 Q1**

10. Tonk S, Majdik C, Robert S, Suciu M, **Rápó E**, Nagy B. Biosorption of Cd(II) Ions from Aqueous Solution onto Eggshell Waste Kinetic and equilibrium isotherm studies. Revista de Chimie -Bucharest-. 2017; 68:1951–8. IF: **1.412 Q3**

II. LISTA COMPLETĂ DE PUBLICAȚII, CREAȚII, INVENȚII

A. Teza de doctorat.

Titlul: Removal of micro-pollutants from wastewater by bioremediation

Conducătorii tezei: dr. habil. Tonk Szende-Ágnes, dr. prof. habil. Posta Katalin

Hungarian University of Agriculture and Life Sciences (MATE) din Gödöllő (Ungaria), Şcoala Doctorală de Biologie. Lucrând la Institutul de Genetică, Microbiologie şi Biotehnologie Microbiologie şi Toxicologie a Mediului.

Calificativul obţinut: *Summa cum laude*

Domeniul stiinţei: stiintele naturii

Domeniul de studiu: ştiinţe biologice

https://doktori.hu/index.php?menuid=193&lang=HU&vid=25710

B. Cărti publicate

B1. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la edituri recunoscute în străinătate.

B2. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate în ţară, la edituri recunoscute CNCSIS/CNCS.

Szende Ágnes Tonk, **Eszter Rápó**, Környezeti szennyezők, környezeti problémák, környezeti remediáció. Editura Exit, Cluj-Napoca, 2020. 234 p., ISBN 978-606-9091-23-4

B3. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate la alte edituri sau pe plan local.

B4. Cărţi (manuale, monografii, tratate, îndrumare etc.) publicate pe web.

B5. Capitole de cărţi publicate în străinătate

1. **Rápó Eszter**, Tutor: Tonk Szende, Ruhafesték eltávolítása mesterséges vizes oldatból környezetbarát eljárással. Határhelyzetek X. A Balassi Intézet Márton Áron Szakkollégium Kutatói Szakkollégiumának Évkönyve – Ifjúság, tudománypolitika, jövőkép: kilátások és kihívások a Kárpát-medencében. 2018. p. 442-458. ISBN: 978-615-5389-69-6.

2. **Rápó Eszter**, Tutor: Tonk Szende, Vízinövények stresszválasza Eriokromfekete T festékanyagra. Határhelyzetek IX. A Balassi Intézet Márton Áron Szakkollégium Kutatói Szakkollégiumának Évkönyve – Fiatal Tudomány-Tudományunk Fiataljai a Kárpát-medencében. 2017. p. 524-552. ISBN: 978-615-5389-61-0.

B6. Capitole de cărţi publicate în ţară

C. Lucrări ştiinţifice publicate

C1. Lucrări ştiinţifice publicate în reviste cotate ISI

1. Tonk, S. & **Rápó, E***. Linear and Nonlinear Regression Analysis for the Adsorption of Remazol Dye by Romanian Brewery Waste By-Product, Saccharomyces cerevisiae. International Journal of Molecular Sciences. 2022; 23(19): 11827. IF2021: 6.208 Q1/D1

2. Tonk, Sz., Aradi, L. E., Kovács, G., Turza, A., **Rápó, E*.** Effectiveness and Characterization of Novel Mineral Clay in Cd2+ Adsorption Process: Linear and Non-Linear Isotherm Regression Analysis. Water. 2022; 14: 279. IF2021: 3.530 Q1

3. **Rápó E**, Tonk Sz*. Factors Affecting Synthetic Dye Adsorption; Desorption Studies: A Review of Results from the Last Five Years (2017–2021). Molecules. 2021; 26(17): 5419. IF2021: 4.927 Q1

4. Haddidi I, Duc NH, Tonk S, **Rápó E**, Posta K. Defence Enzymes in Mycorrhizal Tomato Plants Exposed to Combined Drought and Heat Stresses. Agronomy. 2020; 10(11):1657. IF2020: 3.417 Q1

5. **Rápó E**, Posta K, Csavdári A, Vincze BÉ, Mara G, Kovács G, et al. Performance Comparison of Eichhornia crassipes and Salvinia natans on Azo-Dye (Eriochrome Black T) Phytoremediation. Crystals. 2020; 10(7):565. IF2020: 2.589 Q2

6. **Rápó E**, Jakab K, Posta K, Suciu M, Tonk S*. A Comparative Study on the Adsorption of Two Remazol Dyes on Green Adsorbent. Rev Chim. 2020; 71(4):248–57. IF2020: 1.755 Q3

7. **Rápó E**, Aradi LE, Szabó Á, Posta K, Szép R, Tonk S*. Adsorption of Remazol Brilliant Violet-5R Textile Dye from Aqueous Solutions by Using Eggshell Waste Biosorbent. Scientific Reports. 2020; 10(1):8385. IF2020: 4.379 Q1/D1

8. **Rápó E**, Posta K, Suciu M, Szép R, Tonk S*. Adsorptive Removal of Remazol Brilliant Violet-5R Dye from Aqueous Solutions using Calcined Eggshell as Biosorbent. Acta Chimica Slovenica. 2019; 66(3):648–58. IF: 1.263 Q3

9. **Rápó E**, Szép R, Keresztesi Á, Suciu M, Tonk S*. Adsorptive Removal of Cationic and Anionic Dyes from Aqueous Solutions by Using Eggshell Household Waste as Biosorbent. Acta Chimica Slovenica. 2018; 65(3):709–17. IF: 1.076 Q3

10. Tonk S, Majdik C, Robert S, Suciu M, **Rápó E**, Nagy B. Biosorption of Cd(II) Ions from Aqueous Solution onto Eggshell Waste Kinetic and equilibrium isotherm studies. Revista de Chimie -Bucharest- Original Edition-. 2017; 68:1951–8. IF: 1.412 Q3

11. Keresztes R, **Rápó E**. Statistical analysis of air pollution with specific regard to factor analysis in the Ciuc basin, Romania. Studia Universitatis Babes-Bolyai, Chemia. 2017; 62(3):283–92. IF: 0.305

C2. Lucrări ştiinţifice publicate în reviste indexate în baze de date internaţionale (indicaţi şi baza de date).

C3. Lucrări ştiinţifice publicate în reviste din străinătate (altele decât cele menţionate anterior).

C4. Lucrări ştiinţifice publicate în reviste din ţară, recunoscute CNCSIS/CNCS (altele decât cele din baze de date internaţionale).

C5. Lucrări ştiinţifice publicate în reviste, altele decât cele menţionate anterior

C6. Lucrări ştiinţifice publicate în volumele manifestărilor ştiinţifice Extenden abstracts

1. 29-30 aprilie 2023. Lisabona, Portugalia - Virtual, ICEPTT 2023: Proceedings of the 8th World Congress on Civil, Structural, and Environmental Engineering (CSEE'23), Székely Szilárd, **Eszter Rápó**, Katalin Mihályfalvi, Szende Tonk, The Toxic Effect of Drug Residues on the Germination Residues de Plante cultivate. DOI: 10.11159/iceptp23.200

2. 10-12 aprilie 2022. Lisabona, Portugalia - Virtual, ICEPTT 2021: a 23-a Conferință internațională privind poluarea mediului și tehnologia de tratare, **Eszter Rápó**, Szende Tonk, Adsorbția Remazol Brilliant Blue RR din soluție apoasă cu coji de ou de struț calcinat. DOI: 10.11159/iceptp22.165

3. 29 octombrie 2021. Cluj, România, Societatea Maghiară de Tehnic Științific din Transilvania, XXVII. Conferință internațională de chimie, **Eszter Rápó**, Tonk Sz., Posibila utilizare a subproduselor industriale în purificarea apei, adsorbția coloranților reactivi

4. 31 martie - 2 aprilie 2021. Riga, Letonia, a 12-a Conferință a tinerilor profesioniști din Europa de Est - Cercetare și inovații în domeniul apei în era digitală, **Eszter Rápó**, Szende Tonk, Katalin Posta, Melinda Tamás, Maria Suciu, Produsul secundar al deșeurilor de bere Saccharomyces Cerevisiae ca adsorbant pentru îndepărtarea coloranților cu remazol, ISBN: 978-9934-22-618-2

5. 18-19 ianuarie 2021. Roma, Italia, ICEPTT 2021: a 23-a Conferință internațională privind poluarea mediului și tehnologia de tratare, **Eszter Rápó**, Szende Tonk, Melinda Tamás, Maria Suciu, Irina Kacsó, Îndepărtarea vopselei textile din soluție apoasă de către Produse de deșeuri ale fabricii de bere de la fabrica română

6. 30 octombrie 2020. Cluj, România, Societatea Maghiară de Tehnic Științific din Transilvania, XXVI. Conferința internațională de chimie, **Eszter Rápó**, Á. Szabó, Aradi L., Sz. Tonk, Caracterizarea și proprietățile de adsorbție ale cojii de ou prin exemplul colorantului reactiv

7. 26 aprilie - 1 mai 2020. Wisła, Polonia, 19th Alps-Adria Scientific Workshop, **Eszter Rápó**, Krisztina Jakab, Katalin Posta, Szende Tonk, Capacitatea de adsorbție a drojdiei de bere de la Fabrica Română

D. Traduceri de cărţi, capitole de cărţi, alte lucrări ştiinţifice
E. Editare, coordonare de volume
F. Brevete de invenţii şi alte titluri de proprietate
G. Contracte de cercetare (menţionaţi calitatea de director sau membru)
H. Creaţia artistică

H1 Participări la manifestaţii artistice internaţionale
H2. Participări la manifestaţii artistice naţionale
H3. Expoziţii, filme, spectacole, concerte, discuri de autor, opere internaţionale
H4. Expoziţii, filme, spectacole, concerte, discuri de autor, opere naţionale
H5. Produse cu drept de proprietate intelectuală în domeniul artistic

III. RECUNOAȘTEREA

I. Premii, distincţii.
(Denumirea premiului, distincţiei, anul acordării)

- 23-27 septembrie 2015 Şumuleu Ciuc, România, Societatea Maghiară de Tehnic Ştiinţific din Transilvania, XXI. Conferinţa internaţională de chimie, **Rápó E.**, Lakatos I., Majdik K., Tonk Sz., *Răspunsul la stres al plantelor acvatice (Eichhornia crassipes, Salvinia natans) la colorantul T negru Eriochrome. Rezultate preliminare.* – SECŢIUNEA AFIŞE ELEVĂ, III. premiu (premiul Asociaţiei Chimiştilor Maghiari)

- 13-15 aprilie 2016 Cluj, România, Conferinţa studenţilor de ştiinţă Sapientia, secţiunea Ştiinţa mediului, **Eszter Rápó**, conducător: Dr. Tonk Szende, titlul tezei: Răspunsul la stres al plantelor acvatice la materialul colorant T Eriochrome black - premiul I

- 19-22 mai 2016 Cluj, România, XIX. Conferinţa studenţilor de ştiinţă din Transilvania, secţiunea Ştiinţa mediului, **Eszter Rápó**, conducător: Dr. Tonk Szende, titlul tezei: Răspunsul la stres al plantelor acvatice la materialul colorant T Eriochrome black - II. Premiu

- 31 martie - 1 aprilie 2017. Târgu Mureş, România, Conferinţa studenţilor academicieni din Transilvania de Ştiinţe Agricole, Departamentul de Ştiinţe Agricole, **Eszter Rápó**, conducător, titlul tezei: Îndepărtarea vopselei de îmbrăcăminte dintr-o soluţie apoasă artificială folosind un proces prietenos cu mediul - II. Premiu

- 5-7 aprilie 2017 Mosonmagyaróvár, Ungaria, XXXIII. Conferinţa Naţională a Studenţilor Ştiinţifici -OTDK, Secţia de Ştiinţe Agricole, Departamentul de Tehnologia Mediului, **Eszter Rápó**, conducător: Dr. Tonk Szende, titlul lucrării: Răspunsul la stres al plantelor acvatice la colorantul Eriochrome Black T - premiu special

- 25 aprilie 2018. Miercurea Ciuc, România, XV. Conferinţa Facultăţi-Studenţi, Departamentul de Ştiinţe ale Mediului, **Eszter Rápó**, conducător: Dr. Tonk Szende, titlul tezei: Îndepărtarea colorantului RBV-5R dintr-o soluţie apoasă folosind coajă de ou încorporată în mărgele calcinate şi alginate din gospodării - II. Premiu

- 16-18 aprilie 2019 Debrecen, Ungaria, XXXIV. Conferinţa Naţională a Studenţilor Ştiinţifici -OTDK, Secţia Ştiinţe Agricole, Departamentul Tehnologia Mediului, **Eszter Rápó**, conducător: Dr. Tonk Szende, titlul tezei: Îndepărtarea colorantului RBV-5R dintr-o soluţie apoasă folosind coajă de ou încorporată în mărgele calcinate şi alginate din gospodării - II. Premiu

- 20 decembrie 2020 Talent în vârstă de douăzeci de ani în 2020, Institutul YZ Centrul Maghiar de Tineret, Paprika Radio şi Programul K plus

J. Citări

1. Tonk, S. & **Rápó, E*.** Linear and Nonlinear Regression Analysis for the Adsorption of Remazol Dye by Romanian Brewery Waste By-Product, Saccharomyces cerevisiae. International Journal of Molecular Sciences. 2022; 23(19): 11827. **IF_{2021}: 6.208 Q1/D1**

Citări:

1. Trang, T. Y. D., Zenitova, L. A., Quynh, P. H., Huong, T. T. & Dung, L. H. Adsorption Kinetic and Isotherm of the Oil Spill onto Adsorbents Based on Polyurethane Foam Grafted Chitin and Its Modifications. Environment and Ecology Research 11, 513–526 (2023).
2. de Lima Schlösser, L. M. et al. Adsorption of aflatoxin B1 by different antimycotoxin additives: bentonite, clinoptilolite, and beta-glucans extracted from yeast cell wall. Mycotoxin Res (2023) doi:10.1007/s12550-023-00508-z.
3. Mun, S.-B. et al. Adsorption of organic micropollutants on yeast: Batch experiment and modeling. Journal of Environmental Management 334, 117507 (2023).
4. Toncheva-Moncheva, N. et al. Cinnamyl-Modified Polyglycidol/Poly(ε-Caprolactone) Block Copolymer Nanocarriers for Enhanced Encapsulation and Prolonged Release of Cannabidiol. Pharmaceutics 15, 2128 (2023).
5. Silva, E. C., Gomes, C. G., Vieira, M. A. & Fajardo, A. R. Composite hydrogel based on alginate-g-poly(acrylamide)/carbon nanotubes for solid phase extraction of metals from corn cereal samples. International Journal of Biological Macromolecules 242, 124586 (2023).
6. Su, Y., Xie, K., Xiao, J. & Chen, S. Influence of Microbial Treatment on the Preparation of Porous Biochar with Stepped-Up Performance and Its Application in Organic Pollutants Control. International Journal of Molecular Sciences 23, 14082 (2022).
7. Su, Y., Zheng, Y., Feng, M. & Chen, S. Magnetic Luffa-Leaf-Derived Hierarchical Porous Biochar for Efficient Removal of Rhodamine B and Tetracycline Hydrochloride. International Journal of Molecular Sciences 23, 15703 (2022).
8. El-Shafie, A. S., Barah, F. G., Abouseada, M. & El-Azazy, M. Performance of Pristine versus Magnetized Orange Peels Biochar Adapted to Adsorptive Removal of Daunorubicin: Eco-Structuring, Kinetics and Equilibrium Studies. Nanomaterials 13, 1444 (2023).
9. Phaenark, C., Harn-asa, P., Paejaroen, P., Chunchob, S. & Sawangproh, W. Removal of Pb(II) and Cd(II) by Biomass Derived from Broadleaf Cattail and Water Hyacinth. Journal of Water and Environment Technology 21, 191–203 (2023).
10. Arslan Isaac. Technical Training to Nonprofit Managers Influences Using Big Data Technology in Business Operations - ProQuest. (Walden University, 2023).
11. El-Shafie, A. S., Karamshahi, F. & El-Azazy, M. Turning waste avocado stones and montmorillonite into magnetite-supported nanocomposites for the depollution of methylene blue: adsorbent reusability and performance optimization. Environ Sci Pollut Res 30, 118764–118781 (2023).

2. Tonk, Sz., Aradi, L. E., Kovács, G., Turza, A. & **Rápó, E***. Effectiveness and Characterization of Novel Mineral Clay in Cd^{2+} Adsorption Process: Linear and Non-Linear Isotherm Regression Analysis. Water 14, 279 (2022). **IF_{2021}: 3.530 Q1**

Citări:

1. Mahlangu, O. T., Mubiayi, M. P. & Mamba, B. B. A facile approach for the synthesis of ceramic filters for methyl orange, chromium and lead removal from water. Physics and Chemistry of the Earth, Parts A/B/C 129, 103368 (2023).
2. Alcaraz, M. G. T., Choi, A. E. S., Dugos, N. P. & Wan, M.-W. A Review on the Adsorptive Performance of Bentonite on Sulfur Compounds. Chemical Engineering Transactions 103, 553–558 (2023).
3. Abin-Bazaine, A., Trujillo, A. C. & Olmos-Marquez, M. Adsorption Isotherms: Enlightenment of the Phenomenon of Adsorption. (IntechOpen, 2022). doi:10.5772/intechopen.104260.
4. Kim, H. S., Kim, D.-W., Park, I.-S. & Hong, H.-J. Adsorptive recovery of rare earth elements from aqueous solution by citric acid crosslinked carboxymethylated cellulose nanofibril aerogel. Journal of Cleaner Production 418, 138189 (2023).
5. Haya K. Khalaf & Hayder M. Rasid. Adsorptive removal of cadmium ions from industry

wastewater using bio-sorbent date pits activated carbon: kinetics, thermodynamics, and continuous fixed bed column. Annals of Forest Research 66, 3407–3424 (2023).

6. Shahnawaz Ali, M., Rahaman, M., Belayet, J. B., Asad, S. A. & Hossain, M. M. An approach for preparing 3,3-disubstituted oxindole from acyclic tetrasubstituted aldehyde: Total synthesis of (-)-coerulescine & (-)-coixspirolactam A. Results in Chemistry 4, 100389 (2022).
7. Erasto, L., Hellar-Kihampa, H., Mgani, Q. A. & Lugwisha, E. H. J. Comparative analysis of cationic dye adsorption efficiency of thermally and chemically treated Tanzanian kaolin. Environ Earth Sci 82, 101 (2023).
8. Regi, T., Selvam, A. K., Murugesan, A. & Raj, A. S. Conversion of Waste Thermocol into Effective Adsorbent by Chemical Modification: Removal of Malachite Green from Aqueous Media. J Polym Environ (2023) doi:10.1007/s10924-023-03045-z.
9. Huang, H., Shi, L., Chen, R. & Yuan, J. Effect of Modified Illite on Cd Immobilization and Fertility Enhancement of Acidic Soils. Sustainability 15, 4950 (2023).
10. Feng, J.-R. & Ni, H.-G. Effects of heavy metals and metalloids on the biodegradation of organic contaminants. Environmental Research 118069 (2023) doi:10.1016/j.envres.2023.118069.
11. Fadhel Ali, F., Al-Rawi, A. S. & Aljumialy, A. M. Limestone Residues of Sculpting Factories Utilization as Sorbent for Removing Pb(II) ion from Aqueous Solution. Results in Chemistry 100621 (2022) doi:10.1016/j.rechem.2022.100621.
12. Tonk, S. & Rápó, E. Linear and Nonlinear Regression Analysis for the Adsorption of Remazol Dye by Romanian Brewery Waste By-Product, Saccharomyces cerevisiae. International Journal of Molecular Sciences 23, 11827 (2022).
13. Osman, A. I. et al. Methods to prepare biosorbents and magnetic sorbents for water treatment: a review. Environ Chem Lett (2023) doi:10.1007/s10311-023-01603-4.
14. Dobe, N., Abia, D., Tcheka, C., Paul Nongni Tejeogue, J. & Harouna, M. Removal of Amaranth Dye by modified Ngassa Clay: Linear and Non-linear Equilibrium, Kinetics and Statistical Study. Chemical Physics Letters 139707 (2022) doi:10.1016/j.cplett.2022.139707.

3. **Rápó E**, Tonk Sz. Factors Affecting Synthetic Dye Adsorption; Desorption Studies: A Review of Results from the Last Five Years (2017–2021). Molecules. 2021; 26(17): 5419. **IF$_{2021}$: 4.927 Q1**
Citări:

1. El-Gendi, H. et al. A Comprehensive Insight into Fungal Enzymes: Structure, Classification, and Their Role in Mankind’s Challenges. Journal of Fungi 8, 23 (2022).
2. Asghar, M. Z. et al. A new Y-Zr/g-C3N4 nanoflakes anchored mesoporous silica composite for efficient environmental remediation applications. Diamond and Related Materials 135, 109850 (2023).
3. Fortunato, A. & Mba, M. A Peptide-Based Hydrogel for Adsorption of Dyes and Pharmaceuticals in Water Remediation. Gels 8, 672 (2022).
4. Micheletti, D. H. et al. A review of adsorbents for removal of yellow tartrazine dye from water and wastewater. Bioresource Technology Reports 24, 101598 (2023).
5. Shi, Y. et al. A review on selective dye adsorption by different mechanisms. Journal of Environmental Chemical Engineering 10, 108639 (2022).
6. Teshager, F. M., Habtu, N. G. & Mequanint, K. A systematic study of cellulose-reactive anionic dye removal using a sustainable bioadsorbent. Chemosphere 135024 (2022) doi:10.1016/j.chemosphere.2022.135024.
7. Emmanuel, C. C., Adebowale, K. O. & Olu-owolabi, B. I. Adsorption Equilibrium, Kinetics and Thermodynamic Studies of Aqueous Phase Abatement of Basic dyes Using Clay Interpolated with Cationic Surfactant. ChemSearch Journal 13, 128–142 (2022).
8. Sudiana, I. K., Sastrawidana, I. D. K. & Sukarta, I. N. Adsorption Kinetic and Isotherm

Studies of Reactive Red B Textile Dye Removal Using Activated Coconut Leaf Stalk. Ecol. Eng. Environ. Technol. 23, 61–71 (2022).
9. Hashem, A., Aniagor, C. O., Farag, S. & Aly, A. A. Adsorption of acid violet 90 dye onto activated carbon and guava seed powder adsorbents. Biomass Conv. Bioref. (2023) doi:10.1007/s13399-023-04758-w.
10. Shofi Kurniawati & Nurma Yunita Indriyanti. Adsorption of Anionic and Cationic Dyes in Batik Wastewater Using Biomass Adsorbents: Literature Review. JKPK (Jurnal Kimia dan Pendidikan Kimia) 6, 274–291 (2021).
11. Kaykioğlu, G., Vatansever Bayramol, D. & Yildiz, A. Adsorption of AR114 onto humic acid-modified Fe3O4 nanoparticles. Industria Textila 74, 625–632 (2023).
12. Enyoh, C. E. & Wang, Q. Adsorption of ciprofloxacin from aqueous solution by plastic-based adsorbents: a review. International Journal of Environmental Analytical Chemistry 0, 1–21 (2022).
13. Haifa S. Elbogami, Rehab G. El-Sharkawy, & Basma A.A. Balboul. Adsorption of Direct Red 81 dye onto friendly prepared iron oxide /multi-walled carbon nanotubes nanocomposite: kinetics and thermodynamic studies. Desalination and Water Treatment 294, 247–258 (2023).
14. Khiewwijit, R., Chainetr, S., Thiangchanta, S. & Ngoenkhumkhong, K. Adsorption of Fluoride from Aqueous Solution using Eggshell Pretreated with Plasma Technology. Trends in Sciences 20, 4690–4690 (2023).
15. Açıkyıldız, M., Gürses, A., Güneş, K. & Şahin, E. Adsorption of textile dyes from aqueous solutions onto clay: Kinetic modelling and equilibrium isotherm analysis. Front Chem 11, 1156457 (2023).
16. Mustapha, O. R., Osobamiro, T. M., Sanyaolu, N. O. & Alabi, O. M. Adsorption study of Methylene blue dye: an effluents from local textile industry using Pennisteum pupureum (elephant grass). International Journal of Phytoremediation 0, 1–11 (2023).
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Web of Science, Publons	197	179	AAN-3435-2020
Researchgate	Score: 244.9		https://www.researchgate.net/profile/Eszter_Rapo
mtmt	10068923		
ORCID	0000-0002-9028-6123		
BrainMap	U-2000-066P-2912		

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Participarea la conferințe

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35. 9 mai 2015. Budapesta, Ungaria, Ziua Exploratorilor, Festivalul Expedițiilor de Cercetare - participant

Data,
15. 01. 2024.

Semnătura,