

LIST OF PUBLICATIONS (extract)

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PhD thesis

1. *Studii și cercetări privind tehnologia și materialele utilizate la recuperarea căldurii din apele uzate orășenești*
conducător științific prof.univ.dr.ing. Tiberiu RUSU
Universitatea Tehnică din Cluj-Napoca,
Susținere publică: 2011

Books

1. Dan V, **Gabor T**, (coordonatori volum) *Securitate ecologică*, Editura Risoprint, Cluj-Napoca, 2015, ISBN 978-973-53-1710-2, 366 pg.
2. **Gabor T**, *Managementul proiectelor de mediu – Fișe aplicative*, Editura Casa Cărții de Știință, Cluj-Napoca, 2014, ISBN 978-606-17-0641-9, 195 pg.
3. Băgăcean D, **Gabor T**, *Proceduri și studii de caz*, Editura U.T.Press, Cluj-Napoca, 2014, ISBN 978-973-662-976-1, 114 pg.

Books Chapters

4. Dan V, **Gabor T**, *Securitate ecologică – concepte, dimensiuni, conexiuni* (capitol din manualul: Securitate ecologică), Editura Risoprint, Cluj-Napoca, 2015, ISBN 978-973-53-1710-2, pg 62-123.
5. Dan V, **Gabor T**, *Managementul proiectelor* (capitol din manualul: Ingineria, Dreptul și Economia Dezvoltării Durabile), Editura U.T.Press, Cluj-Napoca, 2012, ISBN 978-973-662-736-1, ISBN 978-973-662-738-5 vol. 2, pg. 160-200.

Scientific papers published in International Journals (ISI)

1. **Gabor T.**, Dan V., Tiuc A.E., Sur I.M, Badila I.N., Experimental setup for analysis of drain water heat recovery system in civil buildings, *Journal of Environmental Protection and Ecology* 20, No 4, 1960–1969 (2019), IF 0.634
2. **Gabor T.**, Dan V., Tiuc A.E., Sur I.M, Badila I.N., Modelling and simulation of heat transfer processes for heat exchangers with heat pipes used for recovering heat from wastewater, *Environmental Engineering & Management Journal (EEMJ)*, Vol. 15 Issue 5, 2016, pp. 1027-1033.
3. **Gabor T**, V Dan, IN Badila, AE Tiuc, IM Sur, Improving the energy efficiency of residential buildings by using a drain water heat recovery system, *Environmental Engineering & Management Journal (EEMJ)* 16 (7), 2017
4. Sur IM, Micle V, Polyak ET, **Gabor T**, Assessment of Soil Quality Status and the Ecological Risk in the Baia Mare, Romania Area, *Sustainability*, 2022, 14(7), 3739.

5. Bradut, AI, Chira M, Vermesan H, Hegyi A, Lazarescu AV, Thalmaier GY, Neamtu BV, **Gabor T**, Sur IM, Influence of Fe₂O₃, MgO and Molarity of NaOH Solution on the Mechanical Properties of Fly Ash-Based Geopolymers, *Materials* 2022, 15(19), 6965; <https://doi.org/10.3390/ma15196965>
6. Tiuc A.E., Dan V., Vermeşan H., **Gabor T.**, Proorocu M., Recovery Of Sawdust And Particles Of Recycled Rubber By Making Them Into Sound Absorbing Materials, *Environmental Engineering and Management Journal*, Vol.15, No. 5, 2016, pp. 1093-1101.
7. Sur IM, Micle, V., **Gabor T.**, The influence of polluted soil aeration in the process of in situ bioleaching, *STUDIA UBB CHEMIA*, LXI, 3, Tom II, 2016 pp. 67-76.
8. Tiuc AE, Nemeş O, Perhaiţa I, Vermeşan H, **Gabor T**, Dan V, Thermal Behaviour Of Polyurethane Matrix Composite Materials, *STUDIA UBB CHEMIA*, LX, 2, Tom I, 2015 pp. 169-176.
9. Vac SC, Popiţa GE, Frunzeti N, Popovici A., Merce E, **Gabor T**, Biogas plants – a sustainable choice, *Journal of Environmental Protection and Ecology*, vol 14, no 4, 2013, pp. 1769-1776.
10. Sur IM, Micle V, **Gabor T**, Heavy metals removal by bioleaching using Thiobacillus ferrooxidans, *Rom. Biotechnol. Lett.* 5:8, 2018.

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11. V F Soporan, M M Vescan, T R Lehene, S Pădureţu and **T Gabor**, Considerations Regarding the Recalibration of the Manufacture of Castings from the Perspective of the Development of the Circular Economy, *IOP Conference Series: Materials Science and Engineering*, 877(1), (2020), 012053, doi:10.1088/1757-899X/877/1/012053
12. V F Soporan, T R Lehene, S Pădureţu and **T Gabor**, Engineering of circular economy and good management of industrial material resources, *IOP Conf. Series: Materials Science and Engineering* 572 (2019) 012086, doi:10.1088/1757-899X/572/1/012086
13. VF Soporan, T R Lehene, S Pădureţu, **T Gabor** and M D Crişan, Considerations on the mechanisms for optimizing the relationship between the science and engineering of metallic materials from the perspective of the professional development at university level, *IOP Conf. Series: Materials Science and Engineering* 572 (2019) 012087, doi:10.1088/1757-899X/572/1/012087
14. **Timea Gabor**, Ancuta-Elena Tiuc, Ioana Monica Sur, Iulian Nicolae Badila, Numerical analysis and simulation of the heat recovery from wastewater using heat exchanger, *MATEC Web of Conferences*, vol 240, 2018, DOI:10.1051/mateconf/201824002005
15. **Timea Gabor**, Ancuta Elena Tiuc, Ioana Monica Sur, Iulian Nicolae Badila, Heat exchanger utilizations in wastewater heat recovery for buildings: a key review, *International Multidisciplinary Scientific GeoConference: SGEM: Surveying Geology & mining Ecology Management*, vol 17, 2017, 683-694, DOI:10.5593/sgem2017H/43
16. Ioana Monica Sur, **Timea Gabor**, Adriana Mihaele Chirila Babau, Ancuta Elena Tiuc, Research regarding As and Cd extraction from the polluted soils, *International Multidisciplinary Scientific GeoConference: SGEM: Surveying Geology & mining Ecology Management*, 17, 2017, 327-334, DOI:10.5593/sgem2017H/63

17. Ancuța-Elena Tiuc, **Timea Gabor**, Ioana Monica Sur, Daniela-Roxana Tamas-Gavrea, Horațiu Vermeșan, Recovery of sawdust, recycled rubber particles and textile waste by making sound absorbing materials, *International Multidisciplinary Scientific GeoConference: SGEM: Surveying Geology & mining Ecology Management*, vol 17, 2017, DOI:10.5593/sgem2017H/43
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1. Plugaru SCR, Dan V, **Gabor T**, Mentiu XP, The use of geothermal water in the cultivation of some algae species: a review, *ECOTERRA - Journal of Environmental Research and Protection*, 15:2, 27-33
2. Sur IM, Tecsa AM, Micle V, **Gabor T**, Analyze of the physical-chemical properties of the soil in the area Posta Rat/Turda, *Studia Universitatis Babes-Bolyai, Physica*, 6/1, 2018
3. Varga SN, E. Luca, **Gabor T**, Rozenberg M, Micu O, Research on Increasing Production In The Blueberry Irrigated Culture Compared To Physical Attributes Of Berries, *Agricultura, agricultural practice and science journal*, Vol 93, No 1-2 (2015), pg 23-32
4. Nagy E, **Gabor T**, Nagy A, Ecoeficiența reutilizării fracției de sticlă rezultate la reciclarea autovehiculelor scoase din uz, *Știința și Inginerie*, vol 30, 2016, pg 485-490, ISSN 2359-828x (CABI Abstracts/CABI Health, Index Copernicus, Google Academic)
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7. Vescan MM, **Gabor T**, Considerations on entrepreneurial platform in materials engineering / Considerații asupra platformei antreprenoriale la nivelul ingineriei materialelor, *Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition)*, vol 4, no 4, 2015, pg 51-60, ISSN - 2284-743X, ISSN-L – 2284-743X
8. **Gabor T**, Rusu T, Dan V, Technological variations for domestic waste water heat recovery, *BioFlux, ProEnvironment Promediu*, No 3, 2010, pp 313-317 ISSN: 1844 – 6698, Electronic ISSN: 2066 – 1363 (Thomson Reuters Master Journal, Index Copernicus, CAB Abstracts, DOAJ, EBSCO).
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13. **Gabor T**, Dan V, Rusu T, Pădurețu S, Opportunities for heat exchanger applications in the field of sustainable development / Oportunități în domeniul dezvoltării sustenabile prin utilizarea schimbătoarelor de căldură, *Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition)*, vol 2, no 1, 2012, pp 13-20, ISSN 2284-743X, ISSN-L 2284-743X (Google Scholar).
14. **Gabor T**, Studies and research on the technologies and materials used for heat recovery from municipal wastewater / Studii și cercetări privind tehnologia și materialele utilizate la recuperarea căldurii din apele uzate orășenești, *Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition)*, vol 3, no 1, 2014, pp 47-54, ISSN - 2284-743X, ISSN-L – 2284-743X (Google Scholar).
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17. Popovici A, Popița G.E, Rusu T, Roșu C, Corbu O, **Gabor T**, Smical I, Analysis of lead leachability from composite materials with cathode ray tube glass content/ Analiza levigabilității plumbului din materiale compozite cu conținut de sticlă din tuburile cinescopice, *Acta Technica Napocensis, Series Environmental Engineering and Sustainable Development Entrepreneurship (bilingual edition)*, vol 3, no 1, 2014, pp 11-18, ISSN - 2284-743X, ISSN-L – 2284-743X (Google Scholar).
18. Ciolea D, Rusu T, **Gabor T**, Measures for decreased negative impact of sludge capitalization, *ECOTERRA, Journal of Environmental Research and Protection*, vol 11, no 1, 2014, pp 12-18, ISSN 1584-7071, Electronic ISSN 2248-3128 (Index Copernicus, Serials Solutions, Ulrichs Periodicals Directory, CABI CAB Abstracts, Google Scholar Academic).

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