

LISTA DE LUCRĂRI

A – Cărți și capitole în cărți

CĂRȚI

1. Rus Tania, Indoor Environmental Quality and Wellbeing, U.T. Press, 2026, ISBN 978-606-737-842-9, nr pagini 166; <https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/842-9.pdf>
2. **Rus Tania**, “Procese si echipamente termice industriale – suport de curs”, Editura Napoca Star, Cluj-Napoca, 2020, ISBN 978-606-062-154-6, nr pagini 198; <http://napocastar.ro/wp-content/uploads/2020/10/stiinta-1.pdf>

CAPITOLE IN CĂRȚI

1. Raluca Moldovan, Dorin Beu, Florin Domnița, **Tania Rus** and Horațiu Albu, Carbon Footprint - Definition, regulations and methodology - volum 1, U.T.PRESS, Cluj - Napoca, 2025, ISBN 978-606-737-819-1; Chapter 02 - Regulations and plans to reduce climate change, nr pagini 14; Chapter 03 - Global Warming and Greenhouse Gas Emissions, nr pagini 21; <https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/819-1.pdf>
2. **Tania Rus**, Dorin Beu, Raluca Moldovan, Florin Domnita and Horațiu Albu, Carbon Footprint - GHG of building materials and services, structures and whole buildings; GHG of organizations and neighborhoods and cities - volume 2, U.T.PRESS, Cluj - Napoca, 2025, ISBN 978-606-737-820-7; Chapter 03 - Carbon Footprint of Construction Products - Case Study for a Circular Ventilation Duct in Romania, nr pagini 20; <https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/820-7.pdf>
3. Horațiu Albu, Dorin Beu, **Tania Rus**, Raluca Moldovan, Florin Domnita, , Carbon Footprint - GHG of building materials and services, structures and whole buildings; GHG of organizations and neighborhoods and cities - volume 2, U.T.PRESS, Cluj - Napoca, 2025, ISBN 978-606-737-820-7; Chapter 04 - Carbon Footprint of Construction Products - Case Study for a LED Luminaire Produced in Romania, nr pagini 14; <https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/820-7.pdf>
4. **Tania Rus**, Raluca Moldovan, Miguel Angel Pardo Picazo, Carbon Footprint - GHG of building materials and services, structures and whole buildings; GHG of organizations and neighbourhoods and cities - volum 2, U.T.PRESS, Cluj - Napoca, 2025, ISBN 978-606-737-820-7; Chapter 05 - Evaluating the Environmental Impact of Roof-Mounted PV Systems: Romanian Case Analysis, nr pagini 31; <https://biblioteca.utcluj.ro/files/carti-online-cu-coperta/820-7.pdf>

B – Articole în reviste cotate ISI Thomson Reuters

1. **Rus T**, Moldovan RP, Mârza CM, Corsiuc G and Iluțiu-Varvara D-A (2025) Data-driven environments: Evaluating IoT sensors and KNX protocol for monitoring indoor conditions in educational facilities. Front. Built Environ. 11:1688582. doi: 10.3389/fbuil.2025.1688582 IF 2.9 – Q2; <https://www.webofscience.com/wos/woscc/full-record/WOS:001625297600001>
2. Moldovan, R. P., **Rus, T.**, Beu, D., Albu, H., Domnița, F., & Moldovan, A. M. (2025). From assessment to action: A strategic approach to carbon management for climate neutrality in higher education. Sustainable Futures, 10, 101354. IF 4.9 – Q1; <https://www.webofscience.com/wos/woscc/full-record/WOS:001581921500001>
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 5. **Tania Rus**, Raluca-Paula Moldovan, and Miguel Ángel Pardo Picazo. "LCA analysis of a roof mounted PV system: a Romanian case study." *Frontiers in Environmental Science*, 12, 1413629. (2024), IF 3.3 – Q2 [ISI].
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 7. **Rus, T.**; Moldovan, R.; Albu, H.; Beu, D. Impact of Pandemic Safety Measures on Students' Thermal Comfort - Case Study: Romania. *Buildings* 2023, 13, 794, IF 3.1 – Q2, [ISI].
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 8. Mare, R., Mare, C., Hadarean, A., Hotupan, A. M., & **Rus, T.** COVID-19 and Water Variables: Review and Scientometric Analysis. *International Journal of Environmental Research and Public Health*, 2023, 20(2), 957, IF 4.614 – Q1, [ISI]
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 9. **Tania Rus**, Gheorghe Cruciat, Georgiana Nemeti, Roxana Mare, Daniel Muresan, "Thermal comfort in maternity wards: summer vs winter conditions", *Journal of Building Engineering*, 2022, vol.51, doi.org/10.1016/j.jobe.2022.104356 IF 6.4 - Q1, [ISI].
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 11. Dana–Adriana Iluțiu–Varvara, Marius Tintelecan, Claudiu Aciu, Ioana–Monica Sas–Boca, Adriana Hădărean, **Tania Rus**, Roxana Mare, "An Assessment of the Substance Losses from Charge Composition Used to the Steelmaking–Key Factor for Sustainable Steel Manufacturing" *Procedia Manufacturing*, vol 32, pp 15-21, publisher Elsevier, 2019/1/1 [ISI].
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16. Domnita, F., Muntea, C., Ilutiu Varvara, D., **Rus T.**, Beu D., “Simplified methodology for evaluation the energy efficiency of led luminaires”, *16th International Multidisciplinary Scientific Geoconference (SGEM 2016), Energy and clean technologies conference proceedings*, Albena, Bulgaria, Iunie, 2016, ISBN 978-619-7105-15-5, pp 631-638 WOS:000391348600082 [ISI].
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C – Articole în reviste și volumele unor manifestații științifice indexate BDI (Scopus, Wiley, Springer, Science Direct, IEEE, Engineering Village, Proquest, EBSCO)

1. **Tania Rus**, Raluca-Paula Moldovan, Ana Maria Moldovan, “Improving Educational Building Environments: a Focus on Comfort and Energy”, SGEM International Scientific Conferences on Earth & Planetary Sciences, Extended Scientific Sessions “Green Sciences for Green Life” Schönbrunn Palace, Vienna 27-30 November 2024, Proceedings, nr. 24, Issue 6.2, doi: 10.5593/sgem2024v/6.2/s26.40 [Scopus]
<https://www.scopus.com/pages/publications/105003579364?origin=resultlist>
2. Raluca-Paula Moldovan, Ana Maria Moldovan, **Tania Rus**, “Environmental assessment of ventilation ducts in an educational building: a Romanian case study”, SGEM International Scientific Conferences on Earth & Planetary Sciences, Extended Scientific Sessions “Green Building Materials and Eco-Technologies” Schönbrunn Palace, Vienna 27-30 November 2024, Proceedings, nr. 24, Issue 6.2, doi: 10.5593/sgem2024v/6.2/s25.23 [Scopus]
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3. Ana-Maria Moldovan, **Tania Rus**, Raluca-Paula Moldovan, “Comparative analysis of a photovoltaic system for an educational building using PVsyst and Simulink”, ”, SGEM International Scientific Conferences on Earth & Planetary Sciences, Extended Scientific Sessions “Clean Energy Systems and Energy Storage Technologies” Schönbrunn Palace, Vienna 27-30 November 2024, Proceedings, nr. 24, Issue 4.2, doi: 10.5593/sgem2024v/4.2/s16.03 [Scopus]
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6. Eugen Vitan, **Tania Rus**, Anca Hotupan, Constantin Cilibiu, “The impact of the decreasing number of users on the evolution of a centralized heating system”, *IOP Conference Series: Materials Science and Engineering*, 1138 (2021) 012043, doi:10.1088/1757-899X/789/1/012056
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10. Domnita, F., Moldovan, R.P., Kapalo, P., **Rus, T.**, Ilutiu-Varvara, D.A., “Energy efficiency evaluation of a controlled ventilation system with Canadian well for low energy houses - Case study”, *17th International Multidisciplinary Scientific Geoconference, SGEM 2017*, Albena, Bulgaria, 2017, ISBN 978-619-7105-15-5, pp 231-238 [Scopus].
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- D – Lucrări publicate în reviste și volume de conferințe cu referențe (neindexate)

1. Rus, Lucian; **Cătărig, Tania** – Utilizarea concentratoarelor eoliene pentru îmbunătățirea producției de energie a turbinelor cu ax vertical, *Tehnologiile energiei - Producerea, transportul și distribuția energiei electrice și termice*, volumul 45, nr.2, februarie 2012, editura ICEMENERG, București, Romania, pp 11-17, ISSN 1842-7189 **[B]**
2. **Rus, Tania**, Abrudan Ancuta, Cilibiu Constantin, „Consideratii privind dimensionarea si proiectarea sistemelor fotovoltaice”, *Conferința Știința Modernă și Energia, Volumul "Producerea, transportul și utilizarea energiei"*, mai 2016, Cluj-Napoca, Romania, pg 148-157, Editura Risoprint, ISSN 2066-4125
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9. Badea, G., **Cătărig (Rus), T.**, „Obținerea curbei de polarizare într-o pilă de combustibil cu membrană schimbătoare de protoni”, *Conferința Știința Modernă și Energia, Volumul "Producerea, transportul și utilizarea energiei"*, 17-18 mai 2012, Cluj-Napoca, România, Editura Risoprint, ISSN 2066-4125
10. Rus, Lucian; **Cătărig, Tania** – Savonius Wind Turbines: a comparative study between two bladed savonius rotors, *The 2nd Conference of the Young Researchers from TUCEB*, Bucuresti, 17-18 Noiembrie 2011, pp 402-409, ISBN 978-973-100-193-7
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Conf.dr.ing. Tania Rus