

## 4. Lista de cărți, monografii, capitole in monografii (selectie: lucrari publicate in ultimii 10 ani)

1. Visa I., Duta A., Moldovan M., Burduhos B.G., Neagoe M., *Solar Energy Conversion Systems in the Built Environment*, Springer, Energy Series, 2020 – premiul Remus Radulet al ASTR, decernat in 2021
2. Visa I., Duta A., (Editors) *Solar Energy Conversion in Communities*, Springer, Energy series, 2020
3. Duta A., Covei M., Bogatu C., Perniu D., *TiO<sub>2</sub>-copper zinc tin sulphide (CZTS) photocatalytic thin films for up-scalable wastewater treatment*, Chapter 24 in: Palmisano L., E.I. Garcia Lopez (Eds.), *Materials Science in Photocatalysis*, Elsevier, 2020.
4. Visa I., Duta A., (Editors), *Nearly Zero Energy Communities*, Springer, Energy series, 2017
5. Visa I., Duta A., Neagoe M., *Dezvoltarea de resurse umane pentru comunitati durabile in centrul RESREC*, in Platforme de Mecatronica (Ed. V. Maties), UT Press, 2016, pg. 286 – 205
6. Visa I., Jaliu C., Duta A., Neagoe, Comsit M., Ciobanu D., Moldovan M., Burduhos B., Saulescu R., *The Role of Mechanisms in Sustainable Energy Systems*, Editura Universitatii Transilvania, 2015 – premiul Constantin Budeanu al Academiei Romane, decernat in 2017
7. A. Datcu, A. Perez del Pino, C. Logofatu, A. Duta, E. Gyorgy, *Wetting and Photoactive Properties of Laser Irradiated Zinc oxide – Graphene Nanocomposite Layers*, Chapter 13 in: P. Petkov et al., (Eds.), *Nanoscience Advances in CBRN Agents Detection, Information and Security*, NATO Science for Peace and Security, Series A: Chemistry and Biology, Springer Science + Business Media, Dordrecht, 2015, pp. 119-125, ISBN 978-94-017-9696-5
8. Visa I., Duta A., *The Built Environment In Sustainable Communities*, in *Sustainable Energy in the Built Environment – Steps Towards nZEB*, Springer Proceedings in Energy, 2014, p. 3-30
9. Ciobanu D., Visa I., Enescu M., Duta A., *Outdoor and Indoor Testing to Increase the Efficiency and Durability of Flat Plate Solar Thermal Collectors*, *Sustainable Energy in the Built Environment - Steps Towards nZEB*, Springer Proceedings in Energy, 2014, pg. 205-219
10. Visa I., Duta A., *The Built Environment In Sustainable Communities*, in *Sustainable Energy in the Built Environment – Steps Towards nZEB*, Springer Proceedings in Energy, 2014, p. 3-30
11. Duta A., Andronic L., Perniu D., Manceriu L., Enesca A., *Handbook of Nanofunctional Materials*, Vol. I *Synthesis and Modification* (Ed. M. Aliofkhazraei), Cap. 9. *Crystalline wide band gap semiconductors*, Nova Science Publishers Inc. **2014**, p. 157 – 176, ISBN-13: 978-1629483641
12. Cazan C., Duta A., *Recycled rubber: Composite matrix*, in: *Rubber: Type, Properties and Use*, Ed. Popa, A.G., Ed. Nova Science Publishers, Inc., 2013