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Research topics Biomass processing • Natural polymers • Composite materials
• Biomaterials • Enzymatic degradation

Scientific research Author and co-author of 87 articles (75 published in ISI journals), 2 books, 8 book chapters (Publishing House of Romanian Academy, Tehnopress Publisher, Marcel Dekker Publisher, Elsevier Publisher, Nova Publisher, Wiley and Scrivener Publishing LLC, Smithers Rapra Publisher); 19 research grants
H index = 20

Relevant publications

- Iuliana Spiridon, Raluca Nicoleta Darie-Nita, Gabriela Elena Hitruc, Joanna Ludwiczak, Irene Alexandra Cianga Spiridon and Marius Niculaua, New opportunities to valorize biomass wastes into green materials, *J. Clean. Prod.*, 133, 235-242(2016)
- Iuliana Spiridon, Raluca Nicoleta Darie-Nita and Adrian Bele, New opportunities to valorize biomass wastes into green materials. II. Behaviour to accelerated weathering, *J. Clean. Prod.*, 172, 2567-2575 (2018)
- Iuliana Spiridon, Karol Leluk, Ana Maria Resmerita, Raluca Nicoleta Darie, Evaluation of PLA-lignin bioplastics properties before and after accelerated weathering, *Compos. Part B- Eng.*, 69, 342-349 (2015)
- Iuliana Spiridon, Constantin Edi Tanase, Design, characterization and preliminary biological evaluation of new lignin-PLA biocomposites, *Int. J. Biol. Macromol.*, 114, 855-863 (2018)
- Mihai Brebu, Tarja Tamminen and Iuliana Spiridon, Thermal degradation of various lignins by TG-MS/FTIR and Py-GC-MS, *J. Anal. Appl. Pyrol.*, 104, 531-539 (2013)
- Iuliana Spiridon, Anghel Narcis and Adrian Bele, Behaviour of biodegradable composites based on starch reinforced with modified cellulosic fibers, *Polym. Advan. Technol.* 26(9), 1189-1197 (2015)

Other informations Associate Editor *Cellulose Chemistry and Technology Journal*