

Author's publications

Article with Impact factor

1. BRUNEROVÁ, A. – ROUBÍK, H. – BROŽEK, M. – HERÁK, D. – ŠLEGER, V. – MAZANCOVÁ, J. Potential of Tropical Fruit Waste Biomass for Production of Bio-Briquette Fuel: Using Indonesia as an Example. *Energies*, 2017, vol. 10, n. 12, pp. 1-22. ISSN: 1996-1073.

Article in the Scopus database

1. BRUNEROVÁ, A. – PECEN, J. – BROŽEK, M. – IVANOVA, T. Mechanical durability of briquettes from digestate in different storage conditions. *Agronomy Research*, 2016, vol. 14, n. 2, pp. 327-336. ISSN: 1406-894X.
2. ROUBÍK, H. – MAZANCOVÁ, J. – SITUMEANG, R. – BRUNEROVÁ, A. – SIMATUPANG, T. Livestock manure management practices in rural households in Tapanuli Utara regency of North Sumatra. *Agronomy Research*, 2017, vol. 15, n. 4, pp. 1782-1794. ISSN: 1406-894X.
3. BRUNEROVÁ, A. – MALAŤÁK, J. – MÜLLER, M. – VALÁŠEK, P. – ROUBÍK, H. Tropical waste biomass potential for solid biofuels production. *Agronomy Research*, 2017, vol. 15, n. 2, pp. 359-368. ISSN: 1406-894X.
4. BRUNEROVÁ, A. – BROŽEK, M. – MÜLLER, M. Utilization of waste biomass from post-harvest lines in the form of briquettes for energy production. *Agronomy Research*, 2017, vol. 15, n. 2, pp. 344-358. ISSN: 1406-894X.

Conference proceedings

1. ROUBÍK, H. – MAZANCOVÁ, J. – HELLER, T. – BRUNEROVÁ, A. – HERÁK, D. Biogas as a promising energy source for Sumatra (review). In *Proceeding of 6th International Conference on Trends in Agricultural Engineering 2016 07.09.2016, Prague*. Prague: Czech University of Life Sciences Prague, 2016. pp. 537-544.
2. BRUNEROVÁ, A. – IVANOVA, T. – BROŽEK, M. Mechanical durability of digestate briquettes mixed with mineral additives. In *15th International Scientific Conference on Engineering for Rural Development 25.05.2016, Jelgava*. Jelgava, Latvia: Latvia University of Agriculture Faculty of Engineering, 2016. pp. 971-976.
3. BRUNEROVÁ, A. – BROŽEK, M. Optimal feedstock particle size and its influence on final briquette quality. In *Proceeding of 6th International Conference on Trends in Agricultural Engineering 2016 07.09.2016, Prague*. Prague: Czech University of Life

Sciences Prague, 2016. pp. 95-101.

4. BRUNEROVÁ, A. – BROŽEK, M. Is it advantageous to reuse fruit waste biomass from processing of grapevine (*Vitis vinifera* L.) for briquette production?. In *16th International Scientific Conference Engineering for Rural Development 24.05.2017, Jelgava, Latvia*. Jelgava, Latvia: Latvia University of Agriculture, 2017. pp. 555-560.
5. BRUNEROVÁ, A. – MÜLLER, M. – BROŽEK, M. Potential of wild growing Japanese knotweed (*Reynoutria japonica*) for briquette production. In *Engineering for Rural Development 24.05.2017, Jelgava, Latvia*. Jelgava, Latvia: Latvia University of Agriculture, 2017. pp. 561-568.
6. BRUNEROVÁ, A. – ROUBÍK, H. – HERÁK, D. Suitability of aquatic biomass from Lake Toba (North Sumatra, Indonesia) for energy generation by combustion process. In *1st Nommensen International Conference on Technology and Engineering 11.07.2017, Medan, Indonésie*. Medan: IOP Conference Series: Materials Science and Engineering, 2017. pp. 1-7.

Article in the Scopus database – *In press*

1. BRUNEROVÁ, A. – BROŽEK, M. – ŠLEGER, V. – NOVÁKOVÁ, A. Energy balance of briquettes production from various waste biomass. *Scientia Agriculturae Bohemica*, 2018.
2. BRUNEROVÁ, A. – ROUBÍK, H. – BROŽEK, M. – VELEBIL, J. Agricultural residues in Indonesia and Vietnam and their potential for direct combustion: with a focus on fruit processing and plantation crops. *Agronomy Research*, 2018, vol. 16, n. X.
3. CHITECULO, V. – BRUNEROVÁ, A. – SUROVÝ, P. – BROŽEK, M. Management of Brazilian hardwood species (Jatoba and Garapa) wood waste biomass utilization for energy production purposes. *Agronomy Research*, 2018, vol. 16, n. X.
4. ROUBÍK, H. – MAZANCOVÁ, J. – BRUNEROVÁ, A. – HERÁK, D. Factors influencing use of fuelwood and its environmental impacts in Tapanuli Utara regency, North Sumatra. *Agronomy Research*, 2018, vol. 16, n. X.

Not categorized in RIV category

1. BRUNEROVÁ, A. – BROŽEK, M. Advantages of densification process utilization in proper waste paper management. 2016. In *ELLS Scientific Student Conference 2016 "Biobased Economy for a Sustainable Future" 11.11.2016. Stuttgart, Germany*. Stuttgart: University of Hohenheim, 2016. p. 100.

2. BRUNEROVÁ, A. – BROŽEK, M. 2016. Influence of feedstock particle size on physical properties of solid biofuel from pine bark. In *BioPhys Spring 05.05.2016. Prague, Czech Republic*. Prague: Czech University of Life Sciences Prague, 2016.
3. BRUNEROVÁ, A. – ROUBÍK, H. 2016. Manual low-pressure briquetting press and its use in rural areas of North Sumatra. In *3rd International Tropical Biodiversity Conservation Conference 23.10.2016. Prague, Czech Republic*. Prague: Czech University of Life Sciences Prague, 2016. pp. 31–32.
4. BRUNEROVÁ, A. – BROŽEK, M. 2017. Briquette Biofuel from Fruit Orchards Waste Biomass. In *19th International Conference of Young Scientists 13.09.2017. Prague, Czech Republic*. Prague: Czech University of Life Sciences Prague, 2017. pp. 27–31.
5. BRUNEROVÁ, A. – ROUBÍK, H. 2018. Agriculture residues to energy: waste biomass conversion into solid biofuels (bio-briquettes). In *2nd conference on Valorization of Agricultural Residues in Vietnam – Opportunities and Challenges for Sustainability 28.03.2018. Ho Chi Minh, Vietnam*. Berlín: Technische Universität Berlin, 2018. pp. 12.