

TF MEHĀNIKAS INSTITŪTA PUBLIKĀCIJAS 2012. gadā

1. Publikācijas

1.1. Publikāciju bibliogrāfija starptautiski recenzētos periodiskos zinātniskos izdevumos;

- *Isters A., Ziemeļi. Elimination of outside air heat pump evaporators icing. Proceedings of the 11th International Scientific Conference "Engineering for Rural Development". Jelgava, Latvia. Volume 11, pp. 122-127 (Abstracted and indexed: AGRIS, CAB ABSTRACTS, CABI full text, EBSCO Academic Search Complete, Thompson Web of Science, Elviesier Scopus, PROQUEST database).*
- *Pudans E., Uzklings G. Investigation of Conveyer chain resistance to wear. 11th International scientific conference „Engineering for rural developments”. Proceedings, Volume 11, 2012. – 285 – 289.*

1.2. Publikāciju bibliogrāfija anonīmi recenzētos starptautiskos zinātniskos izdevumos, t.sk. proceedings:

- *Ancans D., Kakitis A., Nulle I. (2012) Geometric and kinematic parameters of biomass cutter In: Engineering for rural development: Proceeding of 11th International Scientific Conference, Latvia University of Agriculture, Faculty of Engineering Jelgava: LUA, p. 251-256.*
- *Ancans D., Kakitis A., Nulle I. (2012) Influence of the particle parameters on the properties of biomass briquettes In: Proceeding of the international scientific conference, Latvia University of Agriculture, Jelgava, Latvia, p.173-178. ISBN 978-9984-48-070-1.*
- *Ancans D., Kakitis A., Nulle I. (2012) Evaluation of the biomass burning properties. In: 20th European Biomass Conference and Exhibition: Proceedings, June 18 – 22, 2012, Milano – Italy. ETA – Florence Renewable Energies, p. 1340-1345.*
- *Kakitis A., Berzins U., Berzins R., Brencis R. CUTTING PROPERTIES OF HEMP FIBRE. (2012) Engineering for rural development: Proceedings of 11th International Scientific Conference, Latvia University of Agriculture, Faculty of Engineering Jelgava: LUA, pp. 245-250.*
- *Kancevica L., Putans H., Ziemeļi I. The tracking system for solar collectors with reflectors. Proceeding of the International Scientific Conference „Renewable Energy and Energy Efficiency”. Jelgava, Latvia. 2012, pp. 190-195 (ISBN 978-9984-48-070-1).*
- *Kronbergs A., Kronbergs E., Rozinskis R. Size reduction of common reeds for biofuel production. In Proc. of 11th International Scientific Conference „ENGINEERING FOR RURAL DEVELOPMENT”, Jelgava, Latvia, 24-25 May, 2012, pp.257-261, ISSN 1691 - 3043*
- *Kronbergs A., Kronbergs E., Rozinskis R. (2012). Evaluation of common reed shredding parameters. 20th European Biomass Conference and Exhibition, Milan , Italy, 18-22. June, 2012, pp. 1717 – 1721, ISBN 978-88-89407-54-7*
- *Kronbergs A., Kronbergs E., Siraks E., Dalbins J. Cutting properties of arranged stalk biomass. Proc. of the International Scientific Conference „Renewable energy and energy efficiency” Jelgava, Latvia, 28-30 May, 2012, pp. 145– 149, ISBN 978-9984-48-070-1*

- Laceklis-Bertmanis J., Pirs V., Kronbergs E. *Hydropneumatic suspension for tractor implement. In Proc. of 11th International Scientific Conference „ENGINEERING FOR RURAL DEVELOPMENT”, Jelgava, Latvia, 24-25 May, 2012, pp.372–376, ISSN 1691 – 3043*
- Lojans A., Kakitis A. *Evaluation of environment factors influencing robots in greenhouses, (2012) Engineering for rural development: Proceedings of 11th International Scientific Conference, Latvia University of Agriculture, Faculty of Engineering Jelgava: LUA, pp. 151-156.*
- Ozollapins M., Kakitis A. *THERMOELECTRIC GENERATORS AS ALTERNATE ENERGY SOURCE IN HEATING SYSTEMS (2012) Engineering for rural development: Proceedings of 11th International Scientific Conference, Latvia University of Agriculture, Faculty of Engineering Jelgava: LUA, pp. 673-677.*
- Pelece I., Ziemelis I. *Water heating effectiveness of semi-spherical solar collector. Proceeding of the International Scientific Conference „Renewable Energy and Energy Efficiency”. Jelgava, Latvia. 2012, pp. 185-189 (ISBN 978-9984-48-070-1).*
- Repsa E., Kronbergs E. (2012) *Friction affect on common reed briquetting. In: Engineering for rural development: Proceeding of 11th International Scientific Conference, Latvia University of Agriculture, Faculty of Engineering Jelgava: LUA, p. 295-299.*
- Repsa E., Kronbergs E., Smits M. (2012) *Evaluation of biomass compacting mechanisms In: Proceeding of the international scientific conference, Latvia University of Agriculture, Jelgava, Latvia, p.179-184. ISBN 978-9984-48-070-1.*
- Repsa E., Kronbergs E., Smits M. (2012). *Herbaceous biomass briquetting mechanisms. 20th European Biomass Conference and Exhibition, Milan , Italy, 18-22. June, 2012, pp. 1499 – 1501, ISBN 978-88-89407-54-7*
- Smits M., Kronbergs E. *Density determination for common reed compositions. In Proc. of 11th International Scientific Conference „ENGINEERING FOR RURAL DEVELOPMENT”, Jelgava, Latvia, 24-25 May, 2012, pp. 300 – 303, ISSN 1691 - 3043*
- Vronsky O., N. Vronsky N. (08.-12.September 2012) *Graphical competence as the indicator of the quality level of descriptive geometry studies. Journal of international scientific publications (published at <http://www.science-journals.eu>). Bulgaria: Sunny Beach, Volume 10, Part 2, ISSN 1313-2571, p.4.-15.*
- Zagorska V. (2012) *Analysis of alternative ventilation system designs for a pigsty: A comparative literature review. In: 2012 IX International Livestock Environment Symposium (ILES IX) ILES12-2174. Valencia, Spain. Available: [http://elibrary.asabe.org/abstract.asp?aid=41605&t=2&redir=aid=41605&redir=\[confid=iles2012\]&redirType=conference.asp&redirType=conference.asp](http://elibrary.asabe.org/abstract.asp?aid=41605&t=2&redir=aid=41605&redir=[confid=iles2012]&redirType=conference.asp&redirType=conference.asp)*
- Zagorska V., Putans H., Ziemelis I.. *Experimental investigation of heat carrier flow efficiency. Proceeding of the International Scientific Conference „Renewable Energy and Energy Efficiency”. Jelgava, Latvia. 2012, pp. 201-206 (ISBN 978-9984-48-070-1).*
- Zagorska V., Ziemelis I., Kancevica L., Putans H. *Eksperimental investigation of photovoltaic thermal hybrid solar collector. Agronomy Research. Volume 10, Biosystems Engineering. Special Issue 1, Tartu, Estonia, 2012, pp.227-233*

(Abstracted and indexed: Thompson Scientific database (ISI Master Journal List): Zoological Records, Biological Abstracts and Biosis Previews, AGRIS, ISPI, DOAJ, CAB Abstracts, AGRICOLA (NAL; USA), VINITI, INIST-PASCAL).

- Ziemeļis I., Pelēce I., Peļše M., Zagorska V. *Semi-spherical Collector for Water Heating. Journal of International Scientific Publications: Materials, Methods and Technologies, Volume 6, Part 1. ISSN 1313-2539, pp. 250-162.*

2. Reģistrēto un spēkā uzturēto patentu saraksts

- Kronbergs Ē., Kronbergs A. un Širaks E. *Padeves veltņu mehānisms. LV 14419 B, SPK A01D82/02, 18.07.2011.*
- Nulle I., Kaķītis A., Ancāns D. *Stiebraugu biomasas ruļļu smalcinātājs. Patenti un Preču Zīmes. - Nr.5 (2011), 646. lpp., 663.lpp.*
- Uzklīņģis G., Pudāns E. *Izjauicama plāksnīšu ķēde ar ritberzes šarnīriem un posmu vienpusīgu pagriezienu. Pieņemts izskatīšanā ar Nr. P-12-06 (prioritātes datums 11.01.2012.)*
- *Latvijas patents Nr. 14478B, Kl.B02C 18/06, Energoefektīvs šķiedru materiālu smalcinātājs. A. Kaķītis, U. Bērziņš, R. Bērziņš. Patenti un preču zīmes – 20.02.2012. g. 174 lpp.*