

TF MEHĀNIKAS INSTITŪTA PUBLIKĀCIJAS 2010. gadā

1. Publikācijas

- 1.1. Publikāciju bibliogrāfija starptautiski recenzētos periodiskos zinātniskos izdevumos;
- 1.2. Publikāciju bibliogrāfija anonīmi recenzētos starptautiskos zinātniskos izdevumos, t.sk. *proceedings*;
 - 1.2.1. Kakitis A., Nulle I., Ancans D. Stalk material orientation in biomass composite briquettes. In: Trends in Agricultural Engineering 2010. Proceedings of 4th International Conference held in Czech University of Life Sciences Prague, Faculty of Engineering. Prague, 2010, p. 285 – 290.
 - 1.2.2. Kakitis A., Nulle I., Ancans D. Durability of the arranged structure biomass briquettes. In: Engineering for rural development.: Proceedings of 9th International Scientific conference Latvia University of Agriculture, Faculty of Engineering. Jelgava: LLU, 2010, p. 285 – 289.
 - 1.2.3. Vartukapteinis K., Cukure A., Cukurs J. First year student evaluation of study process at the Faculty of Engineering. In: Engineering for rural development.: Proceedings of 9th International Scientific conference Latvia University of Agriculture, Faculty of Engineering. Jelgava: LLU, 2010, p. 335 – 338.
 - 1.2.4. E.Pudāns, G.Uzklīņģis. Chouges of Rolling friction link chain step in link turning. Latvia University of Agriculture, Faculty Engineering, 9th International Scientific Conference, Proceedings, Volume 9. – Jelgava, 27 – 28.05.2010. – p. 280 – 284.
 - 1.2.5. Узклингис Г.А., Пуданс Е.П. Исследование изменения наклона осей в вертикальной плоскости тяговой разборной цепи. Šī publikācija būs iekļauta decembrī Pēterburga izdotā rakstu krājumā: „Исследование, разработка и применение высоких технологий в промышленности».
 - 1.2.6. J.Skujāns, U.Iļjins, I.Ziemelis, U.Gross, N.Ositis, R.Brencis, A.Veinbergs, O.Kukuts. Experimental research of foam gypsum acoustic absorption and heat flow. 4th International Conference on Safety and Environment in Process industry. Chemical Engineering transactions. Florence, Italy. Volume 19, 2010, pp. 79-84.
 - 1.2.7. U.Iļjins, J.Metalovs, I.Ziemelis. The Use of Mathematical Physics in Solving Engineering Problems. Proceedings of the 4th International Scientific Conference “Applied Information and Communication Technologies” ISBN 978-9984-48-022-0, Jelgava, Latvia, 2010, pp. 225-229.
 - 1.2.8. V.Zagorska, A.Ilsters. Possibilities of Heat Exchanger Use in Pigsty Ventilation Systems. Agronomy Reseach. Volume 8, Biosystems Engineering, Special Issue 1, Tartu, Estonia. 2010, pp. 272-279.
 - 1.2.9. I.Ziemelis, H.Putans, L.Kancevica. Investigation of Solar Collector Irradiated from Both Sides. Agronomy Reseach. Volume 8, Biosystems Engineering, Special Issue 1. Tartu, Estonia. 2010, pp. 280-286.
 - 1.2.10. Zagorska V, Ilsters A. Use of heat exchangers in ventilation systems of pigsties in dependence on outside air temperature. In: Proceedings of annual 16th International Scientific Conference: Research for Rural development: proceedings, May 19-21, 2010. Jelgava: LLU, pp. 200-204.
 - 1.2.11. В.Загорска, Х.Путанс, М.Кристансонс. Нагрев воды солнечным коллектором. Труды 7-й Международной научно-технической конференции Энергообеспечение и энергосбережение в сельском хозяйстве. Москва, 2010, с. 172-177.
 - 1.2.12. A.Vilde, D.Viesturs, S.Ivanovs, A.Ilsters, I.Ziemelis, R.Balode. Contribution of the research institute of agricultural machinery during 50 years of its existence.

- Proceedings of the 9th International Scientific Conference "Engineering for Rural Development". Volume 9, Jelgava, 2010, pp.13-24.
- 1.2.13. I.Pecece, H.Putans, V.Zagorska, L.Kancevica, I.Ziemelis. Peculiarities of Domestic Water Heating by Solar Collectors. Proceedings of the 9th International Scientific Conference "Engineering for Rural Development". Volume 9, Jelgava, 2010, pp. 205-210.
 - 1.2.14. A.Ilsters, V.Zagorska, Z.Jesko. Warming of Piglets Resting Places by Air Heat Pump in Dependence on Outside Air Temperature. Proceedings of the 9th International Scientific Conference "Engineering for Rural Development". Volume 9, Jelgava, 2010, pp.106-111.
 - 1.2.15. A.Upītis, V.Zagorska, M.Kristapsons, Z.Jesko. Local Energy Resources in the Integrated System of Energy Production and Use. Proceedings of the 9th International Scientific Conference "Engineering for Rural Development". Volume 9, Jelgava, 2010, pp.200-204.
 - 1.2.16. V.Zagorska, U.Iļjins, I.Ziemelis. Calculation of a Heated Floor Panel for Piglets Resting Places. Proceedings of the 4th International Conference Trends in Agricultural Engineering 2010. Prague, Czech Republic, 2010, pp. 648-653.
 - 1.2.17. Z.Jesko, U.Iļjins, I.Ziemelis. Mathematical Model of Flat-Plate Solar Collector. Proceedings of the 4th International Conference Trends in Agricultural Engineering 2010. Prague, Czech Republic, 2010, pp. 654-659.
 - 1.2.18. Viktorija Zagorska, Andrievs Ilsters, Imants Ziemelis. Use of Air Heat Pump in Latvian Weather Conditions for Warming of Piglets Resting Places. Proceedings of the International Renewable Energy Congress 2010. Sousse, Tunisia, 2010.
 - 1.2.19. I.Ziemelis, V Zagorska., H.Putāns. Possibilities of the use of solar collectors in Latvia. Proceedings of the International Renewable Energy Congress 2010. Sousse, Tunisia, 2010.
 - 1.2.20. M. Smits, A. Kronbergs, E. Kronbergs. Herbaceous energy crop shredding size determination. 9th International Scientific Conference "Engineering for rural development" Latvia University of Agriculture, Faculty of Engineering, Jelgava, Latvia. May 27-28, 2010. 275-279 pp.
 - 1.2.21. A. Kronbergs, E. Kronbergs, M. Smits, E. Siraks. Investigation of common reed cutting methods. 4th International Conference "Trends on agricultural engineering" Czech University of Life Sciences, Prague, Czech Republic. September 7-10, 2010. 338-342 pp.
 - 1.2.22. J. Laceklis-Bertmanis, A. Kakitis, E. Kronbergs, E. Repsa and M. Smits. Pressure oscillation in hydraulic hith-system drying implement transport. International Scientific Conference „Mobile Machines” „Lithuanian university of agriculture, Faculty of agricultural engineering” Kaunas, Akademija. September 23-24, 2010, pp. 22 – 31.
 - 1.2.23. Laceklis-Bertmanis J., Repsa E. and Kronbergs E. Simulation of pressure oscillation in hydraulic hitch- system. In Proc. of 9th International Scientific Conference „ENGINEERING FOR RURAL DEVELOPMENT”, Jelgava, Latvia, 27-28 May, 2010, pp. 144-148.
 - 1.2.24. Laceklis-Bertmanis J., Kronbergs E. and Repsa E. Implement transport impact on hitch-system pressure oscillation. In Proc. of 4th International Conference TAE 2010, Prague, Czech Republic, 7-10 September, 2010, pp. 383-388.
- 1.3. Izdoto zinātnisko monogrāfiju saraksts un autorloksnes vērtēšanas periodā;
 - 1.4. Citas zinātniskās publikācijas;
 - 1.5. Starptautisko konferenču materiāli (Abstract)

- 1.5.1. Heysel T., Zagorska V. (2010) Use of outside air heat pump for heating floors for piglets. In: Proceedings of Annual 5th International Scientific Conference: Students on their way to science. Jelgava: Latvia University of Agriculture, p. 67. (V.Zagorska - zinātniskā darba vadītāja).
- 1.6. Zinātniski populārās un zinātniski metodiskās publikāciju (grāmatas, pārējās publikācijas) nosaukumi;

2. Patenti

- 2.1. Starptautisko apstiprināto vai uzturēto patentu, licenču un zinātības (*know-how*) saraksts vērtēšanas periodā
- 2.2. Reģistrēto un spēkā uzturēto patentu saraksts
 - 2.2.1. Reģistrēts: G.Uzklīņģis, J. Feldmanis. Viendiska bremze ar vienmērīga nodiluma berzes uzlikām: patenta Nr. LV14117B, 20.04.2010.
 - 2.2.2. I.Ziemelis, I.Pelece, U.Iļjins, V.Zagorska, A.Putāns. Sfēriskais saules enerģijas kolektors. Latvijas patents LV 14125. Publicēts: Patenti un preču zīmes. Latvijas Republikas Patentu valdes oficiālais vēstnesis. 4/2010., 636. lpp.
 - 2.2.3. A.Ilsters, H.Putāns, V.Zagorska, I.Ziemelis. Sivēnu kūts apsildīšanas un ventilācijas ierīce. Latvijas patents LV 14147. Publicēts: Patenti un preču zīmes. Latvijas Republikas Patentu valdes oficiālais vēstnesis. 6/2010., 884. lpp.
 - 2.2.4. H.Putāns, A.Putāns, U.Iļjins, I.Pelēce, V.Zagorska, L.Kanceviča, I.Ziemelis, Ž.Jesko, A.Ilsters. Saules baterijas jaudas reģistrēšanas ierīce. Latvijas patents LV 14165. Publicēts: Patenti un preču zīmes. Latvijas Republikas Patentu valdes oficiālais vēstnesis. 6/2010., 886.-887. lpp.
 - 2.2.5. H.Putāns, I.Ziemelis, U.Iļjins, V.Zagorska, A.Norvaišs, R.Brencis. Ēku apsildes periodiskas kurināšanas paņēmieni. Latvijas patents LV 14190. Publicēts: Patenti un preču zīmes. Latvijas Republikas Patentu valdes oficiālais vēstnesis. 8/2010., 1213. lpp.
 - 2.2.6. Kronbergs Ē. un Šmits M. Tilpuma noteikšanas iekārta. Latvijas patents LV 14206 B, SPK G01N5/00, 20.10.2010
 - 2.2.7. Kronbergs Ē. un Repša E. Hidrauliskās preses mehānisms. Latvijas patents LV 14201 B, SPK B30B1/00 un B30B15/16, 20.10.2010