

IOP Conference Series: Materials Science and Engineering 2018 vol.412 N1

Material and technical base of the laboratory for the thermal destruction of production and consumption waste for the training of specialists in the field of waste management

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Abstract

© Published under licence by IOP Publishing Ltd. In this article, an analysis of the main thermal methods of waste utilization is carried out, a model laboratory for the thermal destruction of production and consumption wastes including medical was developed.

http://dx.doi.org/10.1088/1757-899X/412/1/012061

References

- [1] Manelis G B 2001 Energy and Ecology, Institute of Problems of Chemical Physics (Chernogolovka: Russian Academy of Sciences)
- [2] Thermal disposal of solid domestic waste 2006 The concept of NIIStromcomposite (Krasnoyarsk) 15
- [3] Gnedenko V G and Goryachev I V 2011 Plasmochemical processing of domestic waste in Russia Solid domestic waste 25-29
- [4] Moss A L, Savchin V V and Mossé A L 2015 Plasma Technologies and Devices for Waste Processing (Minsk) 411
- [5] 1983 Processing of solid household waste by pyrolysis method Obz. inform. M.: TscNIITEIMS 40
- [6] Grachov A N, Safin R G and Valeev I A 2006 Pyrolysis of woodworking enterprises waste Izv. universities Chemistry and Chemistry. technology 49 104-09
- [7] Yanin V S and Yushin V V 2017 Reducing risks when handling medical waste Education and science in the modern world, Innovations 376-86
- [8] Yakovleva A E, Zabelkin S A, Grachev A N and Bashkirov V N 2014 Production of birch tar in laboratory conditions and investigation of its solubility Bulletin of Kazan Technological University 17 195-96
- [9] Gilmanshina S I, Gilmanshin I R, Sagitova R N and Galeeva A I 2016 The feature of scientific explanation in the teaching of chemistry in the environment of new information of school students' developmental education International Journal of Environmental and Science Education 11 349-58
- [10] Gilmanshin I, Kashapov N, Gilmanshina S and Galeeva A 2016 IOP Conference Series: Materials Science and Engineering 134 012007
- [11] Azimov Y, Gilmanshin I and Gilmanshina S 2016 IOP Conference Series: Materials Science and Engineering 134 012003