

## Biogas and Biofuel

1. Ziganshin A.M, Naumova R.P, Pannier AJ, Gerlach R. Influence Of Ph On 2,4,6-Trinitrotoluene Degradation By *Yarrowia Lipolytica*. *Chemosphere*. 2010 Apr;79(4):426-33. Doi: 10.1016/J.Chemosphere.2010.01.051. Epub 2010 Feb 24.
2. Ziganshin A.M, Schmidt T, Scholwin F, Il'inskaya O.N, Harms H, Kleinsteuber S. Bacteria And Archaea Involved In Anaerobic Digestion Of Distillers Grains With Solubles. *Appl Microbiol Biotechnol*. 2011 Mar;89(6):2039-52
3. Khilyas I.V, Ziganshin A.M, Pannier A.J, Gerlach R. Effect Of Ferrihydrite On 2,4,6-Trinitrotoluene Biotransformation By An Aerobic Yeast. *Biodegradation*. 2012 Dec 13. [Epub Ahead Of Print]
4. Ziganshin A.M, Ziganshina E.E, Kleinsteuber S, Pröter J, Ilinskaya O.N. Methanogenic Community Dynamics During Anaerobic Utilization Of Agricultural Wastes. *Acta Naturae*. 2012 Oct;4(4):91-97.
5. Ziganshina E.E., A.R. Bagmanova, I.V. Khilyas, A.M. Ziganshin. Assessment of a biogas-generating microbial community in a pilot-scale anaerobic reactor // *J. Biosci. Bioeng.* – 2014. – V. 117, No 6. – P. 730–736.
6. Belostotskiy, D.E. Impact of the substrate loading regime and phosphoric acid supplementation on performance of biogas reactors and microbial community dynamics during anaerobic digestion of chicken wastes [Text] / Belostotskiy D.E., Ziganshina E.E., Siniagina M., Boulygina E.A., Miluykov V.A., Ziganshin A.M. // *Bioresource Technology*. -2015. -V.193. -P.42-52.
7. Ziganshin, A. Fe(III) mineral reduction followed by partial dissolution and reactive oxygen species generation during 2,4,6-trinitrotoluene transformation by the aerobic yeast *Yarrowia lipolytica* [Text] / Ziganshin A., Ziganshina E., Byrne J., Gerlach R., Struve E., Biktagirov T., Rodionov A., Kappler A. // *AMB Express*. -2015. -V.5(1). -P.1-12.
8. Ziganshina, E.E. Effect of the organic loading rate increase and the presence of zeolite on microbial community composition and process stability during anaerobic digestion of chicken wastes [Text] / Ziganshina E.E., Belostotskiy D.E., Ilinskaya O.N., Boulygina E.A., Grigoryeva T.V., Ziganshin A.M. // *Microbial Ecology*. -2015. -P.1-13.