

**UNIVERSITY OF DAR ES SALAAM P.O. BOX
35091 DAR ES SALAAM □ TANZANIA**



Press Release

PROMOTIONS – 2015

This is to inform the University of Dar es Salaam community and the public that, the University Council at its 231st meeting held on 28th August 2015, approved promotions of the following members of the academic staff to professorial ranks, effective from 1st July 2015.

ASSOCIATE PROFESSOR TO PROFESSOR

1. Prof. Anthony Mshandete, Department of Molecular Biology and Biotechnology, College of Natural and Applied Sciences



Since his last promotion to Associate Professor in July 2012, Prof. Mshandete has published 22 journal papers. Prof. Mshandete earned a total **8.03** of publications points.

The following are journal papers published by Professor Mshandete for this promotion:

Journal Papers

- 1. Mshandete, A.M. (2014).** Utilization of brown seaweeds *Sargassum* species organic supplement in grass basal substrate to enhance yield of edible *Coprinus cinereus* (schaeff) S. gray s. lato mushroom in Tanzânia. *International Journal of Basic and Applied Sciences*. 3(4): 177-186.
- 2. Mshandete, A.M. (2014).** Cytotoxicity and antioxidant activities of *Ganoderma tsugae*, a basidiomycetes mushroom indigenous from Tanzania. *International Journal of Life Sciences*. 3(4): 189-194.
- 3. Mshandete, A.M. (2014).** Performance characteristics of *Coprinus cinereus* (Schaeff.)

S. Gray s. lato grown on grass substrate incorporating brown seaweed *Sargassum* species supplements

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at various rates in Tanzania. *International Journal of Life Sciences*. 3(4): 201-212.

4. Moshi, A.P., Crespo, C.F., Badshah, M., Hosea, K.M.M., **Mshandete**, A.M. and Mattiasson, B. (2014). High bioethanol titre from *Manihot glaziovii* through fed-batch simultaneous saccharification and fermentation in Automatic Gas Potential Test System. *Bioresource Technology*. 156 (2014): 348–356.

5. Moshi, A.P., Crespo, C.F., Badshah, M., Hosea, K.M.M., **Mshandete**, A.M., Elisante, E. and Mattiasson B. (2014). Characterisation and Evaluation of a Novel Feedstock, *Manihot glaziovii*, Mueller. Arg, for Production of Bioenergy Carriers: *Bioethanol and Biogas*. *Bioresource Technology*. 172 (2014): 58-67.

6. Hussein, J.M., Tibuhwa, D.D., **Mshandete**, A.M. and Kivaisi, A.K. (2014). Molecular phylogeny of Saprophytic Wild Edible Mushroom (SWEM) Species Based on ITS and nLSU rDNA Sequences. *Current Research in Environmental and Applied Mycology*. 4 (2): 250–260.

7. Muthangya, M., **Mshandete**, A.M., Amana, J.M., Hashim, S.O. and Kivaisi, A.K. (2014). Nutritional and antioxidant analysis of *Pleurotus HK 37* grown on *Agave sisalana* saline solid waste. *International Journal of Research in Biochemistry and Biophysics*. 4(2):5-12.

8. Muthangya, M., **Mshandete** A.M., Kivaisi A. K, Hashim S. O. and *Amana J.M.* (2014). Evaluation of enzymatic activity during vegetative growth and fruiting of *Pleurotus HK 37* on *Agave sisalana* saline solid waste. *Journal of Chemical, Biological and Physical Sciences*. 4(1): 247-258.

9. Temu, S.G., **Mshandete**, A.M. and Kivaisi, A. (2014). Tanzania palm oil industry: auditing and characterization of oil palm post harvest and processing wastes potential for valorization. *Journal of Chemical, Biological and Physical Sciences*. 4(1): 803-811.

10. Salyeem, E.E., **Mshandete**, A.M. and Kivaisi, A.K. (2014). Biovalorization of Banana

waste: Auditing and improvement of bio-methane production by fungal pre-treatment. *Journal of Chemical, Biological and Physical Sciences*. 4(1): 818–833.

11. Kidibule, P., Sosovele, E.M. and **Mshandete**, A.M. (2014). Isolation and Identification of microorganisms from crude oil contaminated soil of Dar es Salaam, Tanzania. *British Journal of Biotechnology*. 4(8): 918–931.

12. Moshi, A.P., Hosea, K.M.M., Elisante, E., **Mshandete**, A.M. and Nges, I.A. (2015). Wild Cassava *Manihot glaziovii*: Evaluation as feedstock for ethanol production through various fermentation approaches in stirred tank bioreactors. *British Journal of Biotechnology*. 5(3): 123–139.



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13. Muthangya, M., Hashim S. O., *Amana J. M.*, **Mshandete** A. M. and Kivaisi, A.K. (2013). Optimization of Oyster mushroom cultivation on saline solid sisal waste. *World Applied Sciences Journal*. 23(9): 1146–1150.

14. **Mshandete**, A.M., Kibazohi, O. and Kivaisi, A.K. (2013). Tanzania sisal industry: Auditing and characterization of sisal post-harvest wastes as a bioresource for biorefining. *International Journal of Pure and Applied Sciences and Technology*. 14(2): 84-94.

15. Raymond, P., **Mshandete**, A.M. and Kivaisi, A.K. (2013). Cultivation of oyster mushroom (*Pleurotus HK-37*) on solid sisal waste fractions supplemented with cow dung manure. *Journal of Biology and Life Science*. 4(1): 273–286.

16. Kassuwi, S.A.A., **Mshandete**, A.M. and Kivaisi, A.K. (2013). Evaluation of Nile perch fish scales as biofilm carrier in anaerobic digestion of biological pre-treated Nile

perch fish solid waste. *ARPJ Journal of Engineering and Applied Sciences*. 8(2): 1-11.

17. Muthangya, M., Hashim S.O., Amana J. M., **Mshandete** A.M. and Kivaisi, A.K. (2013). Auditing and characterisation of sisal processing waste: a bioresource for value addition. *ARPJ Journal of Agricultural and Biological Sciences*. 8(7): 518-524.

18. Kassuwi S.A.A., **Mshandete** A.M. and Kivaisi A.K. (2012). Anaerobic co-digestion of biological pre-treated Nile perch fish solid waste with vegetable fraction of market solid waste. *ARPJ Journal of Agricultural and Biological Science*. 7(12): 1016-1031.

19. Kassuwi S.A.A., **Mshandete** A.M., Kivaisi A.K. (2012). Combined thermo-microbial pre-treatments methods for enhanced biogas production from Nile perch fish solid waste in Tanzania. *International Journal of Biochemistry and Biotech Sciences*. 1(2): 17-32.

20. Tibuhwa, D.D., Lyantagaye, S.L. and **Mshandete**, A.M. (2012). Effect of different post harvest treatments on nutritive and antioxidant activities of wild edible *Coprinus cinereus* (Schaeff.) S.Gray from Tanzania. *International Journal of Research in Biological Sciences* 2(4): 150-156.

21. Langula, G., Lyantagaye, S.L. and **Mshandete** A.M. (2012). Production of iodized *saccharomyces cerevisiae* edible yeast using brown seaweeds *Sargassum* sp extract media by submerged fermentation. *International Journal of Advanced Biological Research* 2(4): 617-623.

22. Raymond, P., **Mshandete**, A.M. and Kivaisi, A.K., (2012). Comparative study on cultivation and yield performance of *Coprinus cinereus* (Schaeff) Gray on sisal wastes supplemented with cow dung manure. *International Journal of Research in Pure and Applied Microbiology*. 2(3): 25-31.



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