







- [4] J. Pathma, and N. Sakthivel, "Microbial diversity of vermicompost bacteria that exhibit useful agricultural traits and waste management potential," *SpringerPlus*, vol. 26, pp. 1-19, Oct. 2012.  
<https://doi.org/10.1186/2193-1801-1-26>
- [5] J. Dominguez, C.A. Edwards, and J. Ashby, "The biology and ecology of *Eudrilus eugeniae* (Kinberg) (Oligochaeta) bred in cattle wastes," *Pedobiologia*, vol. 45, pp. 341-353, Jan. 2001.  
<https://doi.org/10.1078/0031-4056-00091>
- [6] B. Sivasankari, S. Indumathi, and M. Anandharaj, "A study on life cycle of earth worm *Eudrilus eugeniae*," *Inter. J. Res. Pharm. Life Sci*, vol 1, pp. 64-67, 2014.
- [7] S. Klongkongsub, and P. Sohsalam, "Vermicompost production by using tomato residues and yard waste," *J. Med. Bioengineering*, vol. 2, pp. 270-273, Dec. 2013.  
<https://doi.org/10.12720/jomb.2.4.270-273>
- [8] L. Zirbes, Q. Renard, J. Dufey, P.K. Tu, H.N. Duyet, P. Lebailly, F. Francis, and E. Haubruge, "Valorisation of a water hyacinth in vermicomposting using an epigenic earthworm *Perionyx excavates* in central Vietnam," *Biotechnol. Agron. Soc. Environ.*, vol. 15, pp. 85-93, Aug. 2011.
- [9] *International Fertilizer Industry Association (IFA)*, Determination of moisture of fertilizers. France 2014.
- [10] S. Meunchang, S. Panichsakpatana, and R.W. Weaver, "Co-composting of filter cake and bagasse; by-products from a sugar mill," *Bioresour. Technol.*, vol. 96 pp. 437-442, Mar 2005.  
<https://doi.org/10.1016/j.biortech.2004.05.024>
- [11] A. Walkley, and I.A. Black, "An examination of the Degtjareff method for determining soil organic matter, and a proposed modification of the chromic acid titration method," *Soil Sci.*, vol. 37, pp. 29-38, Jan. 1934.  
<https://doi.org/10.1097/00010694-193401000-00003>
- [12] *Food and Agricultural Materials Inspection Center (FAMIC)*, Testing methods for fertilizers. Incorporated Administrative Agency, Japan 2013.
- [13] J. Prasitket, N. Chuvorrivate, M. Ruengnab, T. Padung, P. Choulvanapong, and S. Reanjareang, "Organic fertilizer: Production, utilization and quality," Department of Agriculture, 2005, pp.87.
- [14] N.O.K Mainoo, S. Barrington, J.K. Whalen, and L. Sampedro, "Pilot-scale vermicomposting of pineapple wastes with earthworms native to Accra, Ghana," *Bioresour. Technol.*, vol. 100, pp. 5872-5875, Dec. 2009.  
<https://doi.org/10.1016/j.biortech.2009.06.058>
- [15] P. Garg, A. Gupta, and S. Satya, "Vermicomposting of different types of waste using *Eisenia foetida*: A comparative study," *Bioresour. Technol.*, vol. 97, pp. 391-395, Feb. 2006.  
<https://doi.org/10.1016/j.biortech.2005.03.009>
- [16] E. Albanell, J. Plaixats, and T. Cabrero, "Chemical changes during vermicomposting (*Eisenia foetida*) of sheep manure mixed with cotton industrial wastes," *Biology Fertilizer Soils*, vol. 6, pp. 266-269, May 1988.  
<https://doi.org/10.1007/BF00260823>
- [17] S. Suthar, K. Kumar, and P.K. Mutiyar, "Nutrient recovery from compostable fractions of municipal solid wastes using vermiculture," *J. Mater. Cycles. Waste Manage.* 17: 174-184, Jan. 2015.  
<https://doi.org/10.1007/s10163-014-0238-x>
- [18] R.K. Sinha, S. Agarwal, K. Chauhan, and D. Valani, "The wonders of earthworms and its vermicompost in farm production: Charles Darwin's 'friends of farmers', with potential to replace destructive chemical fertilizers from agriculture," *Agricultural Sciences*, vol. 1, pp. 76-94, Aug. 2010.  
<https://doi.org/10.4236/as.2010.12011>
- [19] S.H. Devi, K. Vijayalakshmi, K.P. Jyotsna, S.K. Shaheen, K. Jyothi, and M.S. Rani, "Comparative assessment in enzyme activities and microbial populations during normal and vermicomposting," *J. Environ. Biol.*, vol. 30, pp. 1013-1017, Nov. 2009.
- [20] S. Subler, C.A. Edwards, and P.J. Metzger, "Comparing vermicomposts and composts," *Biocycle*, vol. 39, pp. 63-66, 1998.
- [21] R. Bejbaruah, R.C. Sharma, and P. Banik, "Split application of vermicompost to rice (*Oryza sativa* L.): its effect on productivity, yield components, and N dynamics," *Organic Agri.*, vol. 3, pp. 123-128, June 2013.  
<https://doi.org/10.1007/s13165-013-0049-8>
- [22] F.A. Gutierrez-Miceli, L. Santiago-Borraz, J.A.M. Molina, C. Nafate, M. Abud-Archila, M.A.O. Llaven, R. Rincon-Rosales, and L. Dendooven, "Vermicompost as a soil supplement to improve growth, yield and fruit quality of tomato (*Lycopersicon esculentum*)," *Bioresour. Technol.*, vol. 98, pp. 2781-2786, Nov. 2007.  
<https://doi.org/10.1016/j.biortech.2006.02.032>
- [23] A. Jeyabal, and G. Kuppuswamy, "Recycling of organic wastes for the production of vermicompost and its response in rice-legume cropping system and soil fertility," *European J. Agron.*, vol. 15, pp. 153-170, Nov. 2001.

[https://doi.org/10.1016/S1161-0301\(00\)00100-3](https://doi.org/10.1016/S1161-0301(00)00100-3)

- [24] R. Singh, R.R. Sharma, S. Kumar, R.K. Gupta, and R.T. Patil, "Vermicompost substitution influences growth, physiological disorders, fruit yield and quality of strawberry (*Fragaria x ananassa* Duch.)," *Bioresour. Technol.*, vol. 99, pp. 8507-8511, Nov. 2008.  
<https://doi.org/10.1016/j.biortech.2008.03.034>



**Sakuntep Chupong** is an undergraduate student at Division of Plant Science, Faculty of Science and Technology, Faculty of Agricultural Technology and Agro-Industry, Rajamangala University of Technology Suvarnabhumi, Phranakorn Sri Ayutthaya. His current interests include management of organic, agricultural and industry wastes via vermicomposting technology, plant and agro biotechnology.



**Kitti Boonlernirun** received the B.Sc. (1988), M.Sc. (1992) in Horticulture and Ph.D. (2013) in Plant Breeding from Kasetsart University.

He is an Associate Professor at Division of Plant Science, Faculty of Agricultural Technology and Agro-Industry, Rajamangala University of Technology Suvarnabhumi, Phranakorn Sri Ayutthaya. His current interests include vegetables production technology and plant breeding, especially waxy corn breeding.



**Pitchya Tangsombatvichit** received the B.S. (2006) in Agricultural Science (Second Class Honours) from Kasetsart University, M.S. (2008) in Applied Radiation and Isotopes from Kasetsart University and Ph.D. (2014) in Biochemical Technology from King Mongkut's University of Technology Thonburi (KMUTT).

She is now a Lecturer at Division of Biology, Faculty of Science and Technology, Rajamangala University of Technology Suvarnabhumi. Her current interests include management of organic, agricultural and industry wastes via vermicomposting technology, yeast and molecular technology, alternative energy technology, and applied radiation technology.



**Daojarus Ketrot** received the B.S. (2007) in Agricultural Chemistry (First Class Honours) and Ph.D. (2013) in Soil Science from Kasetsart University.

She is now a Lecturer at Department of Soil Science, Faculty of Agriculture, Kasetsart University. Her current interests include soil pollution, soil chemistry, and soil and plant analysis.