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- Tampus A. D., Apuan D. A., Jabbar M. M., Salapuddin F. B., 2014 Characterization of seawater quality in stressed coastal zone of Iligan Bay. *AES Bioflux* 6(1):7-16.
- Pahila I. G., Servidad L. C., Nillos M. G. G., Taberna Jr. H. S., 2014 Sorption of polycyclic aromatic hydrocarbons from tobacco smoke on different fabric materials. *AES Bioflux* 6(1):17-25.
- Sucaldito-Salibad M. P., Nuneza O. M., 2014 Significant records of birds in Agusan Marsh, Philippines with notes on the conservation importance of the area. *AES Bioflux* 6(1):26-43.
- Camama C. G., Torres M. A. J., Manting M. M. E., Gorospe J. J., Demayo C. G., 2014 Landmark-based geometric analysis in describing the shell of the freshwater gastropod *Vivipara angularis* (Gastropoda: Viviparidae) from Lake Dapao, Pualas, Lanao del Sur, Philippines. *AES* 6(1):44-54.
- Petrescu-Mag R. M., Maxim A., Varban D., Proorocu M., Odagiu A., Mihaiescu T., 2014 Environmental policy and agriculture: Principle of integration. *AES Bioflux* 6(1):55-61.
- Peralta E. M., Serrano Jr. A. E., 2014 Polycyclic aromatic hydrocarbons (PAHs) content of mangrove clam (*Geliona erosa*) in Guimaras, Philippines five years after oil spill. *AES Bioflux* 6(1):62-68.
- Taberna Jr. H. S., Nillos M. G. G., Gamarcha L. T., Pahila I. G., Gastar A. N., 2014 Analysis of road-deposited sediments for heavy metal pollutants in bridge sidewalks of Iloilo City, Philippines. *AES Bioflux* 6(1):69-75.
- Petrescu-Mag R. M., Oroian I. G., Dragan A.-A., Petrescu-Mag I. V., 2014 Access to environmental information, a key tool for ensuring eco-transparency: Proactive disclosure as reflected in Romanian legislation. *AES Bioflux* 6(1):76-90.
- Vicente J. R., Nillos M. G. G., Taberna Jr. H. S., Pahila I. G., Anasco N. C., 2014 Sorbents derived from lignocellulosic waste materials: characterization and potential removal of surfactants, phenolic compounds, and nutrients from environmental aqueous solutions. *AES Bioflux* 6(1):91-100.