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Ahamed K.-U., Nahar K., Fujita M., Hasanuzzaman M., 2010 Variation in plant growth, tiller dynamics and yield components of wheat (*Triticum aestivum* L.) due to high temperature stress. AAB Bioflux **2**(3):213-224.

Buruntea N., Groza C., Sbarcea G., 2010 Aspects regarding micromycetes involvement in wood biodeterioration. AAB Bioflux **2**(3):225-238.

Ezeh C. I., Akpa C. E., Okudu P. O., 2010 Determinants of technical efficiency in arable crops production and policy implications in Imo state, Nigeria. AAB Bioflux **2**(3):239-246.

Pandey P., Tiwari D. K., Dwivedi J. L., 2010 Evaluation of CMS lines for different allogamic traits that influence out crossing in Rice (*Oryza sativa* L.). AAB Bioflux **2**(3):247-250.

Kumar N. V., Lavanya G. R., Singh S. K., Pandey P., 2010 Genetic association and path coefficient analysis in mung bean *Vigna radiata* (L.) Wilczek. AAB Bioflux **2**(3):251-257.

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Anyiro C. O., 2010 The impact of inaccessible health care services on agricultural production by rural farmers in Umuahia North Local Government Area, Abia state, Nigeria. AAB Bioflux **2**(3):265-271.

Jaiswal K. K., Pandey P., Marker S., Anurag P. J., 2010 Heterosis studies for improvement in yield potential of wheat (*Triticum aestivum* L.). AAB Bioflux **2**(3): 273-278.

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Pandey P., Anurag P. J., 2010 Depiction of genetic divergence in rice (*Oryza sativa* L.). AAB Bioflux **2**(3):285-291.

Ebojei C. O., Sanni S. A., Tiku E. N., Oladele A. O., 2010 Determining the poverty level of bee farmers involved in non-governmental organization's activities in Kaduna state, Nigeria. AAB Bioflux **2**(3):293-298.