



AU JOURNAL OF TECHNOLOGY

Volume 10 Number 4

April 2007

Contents

Editorial: The Research from an Academic Viewpoint	(ii)
The 2006 AU Academic Award Presentations	
<i>Editorial Staff</i>	211
Dynamic K-value for Belief-based Ad Hoc Sinkhole Detection	
<i>Piyakul Tillapart, Tapanan Yeophantong, Patra Vatanasak, and</i>	
<i>Sahapak Manopimok</i>	215
The Integration of Student-Centered Approach for Field Trip in Mental Health	
and Psychiatric Nursing Practicum: Case Studies among Third Year Nursing	
Students of Assumption University of Thailand	
<i>Siriporn Poonruksa</i>	225
Performance and Cost Implication of Feeding Broilers with Cornflakes	
Waste Based Diet	
<i>S.S.A. Egena and V.E. Aya</i>	232
The IBM BlueGene (Supercomputer) Project Capability in Science Application	
<i>David Tin Win and Pornsak Budhraj</i>	237
Assessment of Changes in Nutritional Values of Locally Sun-Dried Vegetables	
<i>Z.D. Osunde and A.L. Musa Makama</i>	248
Comparative Exergetic Analysis of Vapor Compression Refrigeration Systems	
in the Superheated and Subcooled Regions	
<i>C.O. Adegoke, M.A. Akintunde and O.P. Fapetu</i>	254
N-Hexane Aromatization over Pt/Al ₂ O ₃ under Helium and Hydrogen Diluents	
<i>D.O. Agbajelola and F. Aberuagba</i>	264
An Assessment of Impact Damage to Fresh Tomato Fruits	
<i>P.A. Idah, E.S.A. Ajisegiri, and M.G. Yisa</i>	271
Addendum to "Study on Coastal Atmospheric Effects on Line-of-Sight Links	
Located in Visakhapatnam"	
<i>G.S.V. Radha Krishna Rao and M. Purnachandra Rao</i>	276
Erratum	281

0

0

8

Published by
Assumption University (ABAC)
Hua Mak, Bangkok, Thailand