

ĐẠI HỌC ĐÀ NẴNG / THE UNIVERSITY OF DANANG

ISSN 1859-1531



BỘ GIÁO DỤC VÀ ĐÀO TẠO
ĐẠI HỌC ĐÀ NẴNG

Tập chí
Khoa học & Công nghệ

TẠP CHÍ KHOA HỌC & CÔNG NGHỆ / JOURNAL OF SCIENCE AND TECHNOLOGY

THE UNIVERSITY OF DANANG

**JOURNAL OF SCIENCE
AND TECHNOLOGY**



6(91), 2015

PREFACE

In pursuance of the press restructuring approved by the Prime Minister and the proposal made by the Ministry of Education and Training, the Ministry of Culture and Information issued the Decision No 519/GP-BVHTT dated November 25th, 2002, licensing the publication of the University of Danang journal entitled “Science and Technology”.

The Press Bureau under the Ministry of Culture and Information issued the official dispatch No 816/BC dated August 10th, 2006, permitting the University of Danang to publish the “Science and Technology” every two months instead of every three months.

The National Scientific and Technological Information Centre under the Ministry of Science and Technology issued the official dispatch No 44/TTKHCN-ISSN dated February 6th, 2007, agreeing to grant an international standardized code, namely ISSN 1859-1531 to the UD journal “Science and Technology”.

The Press Bureau under the Ministry of Information and Communications issued the official dispatch No 210/CBC of March 5th, 2008, allowing the UD journal “Science and Technology” to be published in English and French in addition to the Vietnamese publication.

On September 15th, 2011, the Ministry of Information and Communications issued the Decision No 1487 /GP-BVHTT, granting an additional licence which permits the UD journal “Science and Technology” to increase the publication period frequency from every 2 months to every month and to raise the number of pages from 80 to 150 pages.

The UD journal “Science and Technology” has been established in view of announcing and introducing scientific researches in the fields of teaching and training, offering information on the domestic and foreign scientific research results that serve the education in colleges and universities and propagating the State and Party’s guidelines and policies in education and training as well as in scientific and technological researches.

Over the past 40 years, the UD journal “Science and Technology” has been published as the continuity and development of the scientific information journals and conference proceedings published at the University of Danang and its member universities.

The journal’s editorial staff wishes to receive many-sided contributions of the scientists and educators from within the university and from other colleges and universities inside and outside the country so that the journal’s quality will be more and more improved in the future.

Journal’s Editorial Staff

CONTENTS

ISSN 1859-1531 – THE UNIVERSITY OF DANANG, JOURNAL OF SCIENCE AND TECHNOLOGY, NO. 6(91).2015

ENGINEERING AND TECHNOLOGY

Assessing the impact of Duyen Hai thermal power system center on the stability of the electrical power system of Vietnam <i>Ngo Van Duong</i>	1
The stability enhancement of a DFIG-based wind turbine generator connected to an infinite bus using a pi controller <i>Nguyen Thi Ha</i>	5
Study on chemical and biological activities of <i>hydnohytium formicarum</i> extracts and their applications in biscuits <i>Truong Thi Minh Hanh, Nguyen Thi Bich Thao</i>	10
The impact of the impsa wind power plant on the Ninh Thuan - Binh Thuan grid with small signal stability assessment <i>Le Kim Hung, Tran Vinh Tinh, Duong Minh Quan, Marco Mussetta, Duong Manh Hung</i>	16
Multi-objective optimization of vibration control with visco-elastic damping <i>Tran Quang Hung</i>	20
Studying and building programme for simplifying electrical network diagram using Gaussian elimination algorithm <i>Pham Van Kien, Ngo Van Duong, Le Dinh Duong, Huynh Van Ky</i>	24
Seat-bed cabin model - an orientation suitable for the sleeper bus in Vietnam's traffic exploitation conditions <i>Pham Xuan Mai, Pham Van Tai</i>	29
Improving the quality of slag concrete via high alite cement <i>Huynh Phuong Nam</i>	34
Researching the entrepreneurship of engineering students in Danang University of Science and Technology <i>Ho Thi Kieu Oanh, Hoang Nguyen Dieu Trang, Pham Anh Duc</i>	38
Photocatalytic activity of Sr-doped LaCoO ₃ under UV illumination <i>Do Van Phuong, Truong Le Bich Tram, Le Minh Vien</i>	42
Detection of antibiotic resistance in enterococci from human guts <i>Pham Tran Vinh Phu</i>	46
Analysis of the influence of incompletely interactive connectors on the load bearing capacity of steel-concrete composite beam by taking into account cracks on flange <i>Huynh Minh Son</i>	51
Effects of heating operation on value of bitumen penetration <i>Tran T. Thu Thao, Nguyen V. Teron</i>	56
Solutions to traffic control and management in Vietnam urban streets for bus rapid transit system <i>Phan Cao Tho, Nguyen V. Teron</i>	60
Method for controlling multi command type servo motors using matlab <i>Vo Nhu Tien, Vo Nhu Thanh</i>	64
Sliding-mode-PID controller design for magnetic levitation system <i>Doan Anh Tuan, Nguyen Ho Si Hung</i>	68
Enhancing signal quality in radio over fiber links having the length of (100-200) km <i>Nguyen Van Tuan, Le Tuan Vu</i>	73
Re-synchronization of measurement signals from two ends for fault location on transmission lines <i>Nguyen Xuan Vinh, Nguyen Duc Huy, Nguyen Xuan Tung</i>	78

One-dimension consolidation analysis of soft soils under embankment loaded with variable compressibility and permeability <i>Pham Minh Vuong, Nguyen Hong Hai</i>	82
--	----

NATURAL SCIENCES

Effects of toona sinesis roem leaves ethanol extract on the peroxisome proliferator-activated receptor alpha/ gamma expression in liver of high fat diet mice <i>Ta Ngoc Ly, Chang Sue Joan</i>	87
Harvesting <i>chlorella vulgaris</i> by membrane filtration <i>Nguyen Thi Dong Phuong</i>	93
Non-abelian solutions of the Yang-Mills equations for the SU(2) gauge field coupled with the two higgs fields <i>Nguyen Van Thuan</i>	97
A quick sol-gel process to elaborate a high bioactive ceramic powder <i>Bui Xuan Vuong, Nguyen Ngoc Thy, Do Quang Minh</i>	100

SOCIAL SCIENCES

Thai youth community in urban areas with cultural transformation in globalization – enhancing or degrading? <i>Nguyen Anh Chi</i>	104
Influence of cultural differences between korean managers and Vietnamese staff in Korean invested enterprises in Vietnam: reality and solutions <i>Kim Tae Kyu</i>	109
An introduction to operation of american non-governmental organizations in healthcare sector in Da Nang from 2001-2011 <i>Le Thi Phuong Loan</i>	114
Foreign investors' decision of trading and their ownership in Vietnam stock market <i>Ngo Van Man</i>	119
Research on preserving and promoting the heritage of Jidai Matsuri (Festival of Ages) in Kyoto, Japan <i>Le Thi Kim Oanh</i>	125
How bede the venerable influenced the development of the English language <i>Nguyen Phuong Thanh, Truong Van Tuan</i>	128

HUMAN SCIENCES

-Ation nominals and their metaphorical representation in English official texts <i>Le Thi Giao Chi</i>	132
A comparision of the frequency of occurrence of 'yesterday', 'today', and 'tomorrow' in English news written by Vietnamese and those by native speakers <i>Nguyen Ha Truc Giang</i>	137
A study of pragmatic features of epistemic adverbs with cognitive non-factive verbs in English <i>Tran Thi Minh Giang</i>	140
An investigation into cohesion in healthcare advertisements on American television <i>Luu Quy Khuong, Truong Van Tuan</i>	143
A contrastive analysis on cognitive metaphors denoting the concept of "War and Peace" in anti-war songs in English versus Vietnamese <i>Nguyen Thi Hong Men, Dinh Thi Minh Hien</i>	148
The linguistic features of disclaimers in English <i>Nguyen Thi Thanh Thanh</i>	154
Image of soldier in Vietnamese prose in the period of 1975 – 1985 <i>Ngo Thu Thuy, Doan Duc Hai</i>	159