



BOOK OF CONFERENCE

3rd *MTAR* 2016

PROCEEDINGS

(September 29-30, 2016)

3<sup>rd</sup> International Conference on Multidisciplinary Trends in Academic  
Research (MTAR-September, 29-30, 2016)  
MTAR © 2016 Bangkok, Thailand  
Global Illuminators, Kuala Lumpur, Malaysia.



# **MTAR 2016**

## **Conference Proceeding**

### **Book of Abstracts**

**3<sup>rd</sup> International Conference on  
Multidisciplinary Trends in Academic Research**

**Venue: Holiday Inn Bangkok Silom, Bangkok, Thailand**

**Editor:**

**Dr. Ahmad Saddam Ph.D.**

Country Director (Global Illuminators Iraq)

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## **Conference Chair Message**

**Farooq Ahmed Jam (Ph.D.)**

3<sup>rd</sup> International Conference on “Multidisciplinary Trends in Academic Research” (MTAR-2016) serves as platform that aims to help the scholarly community across nations to explore the critical role of multidisciplinary innovations for sustainability and growth of human societies. This conference provides opportunity to the academicians, practitioners, scientists, and scholars from across various disciplines to discuss avenues for interdisciplinary innovations and identify effective ways to address the regional and global challenges faced by our societies. The research ideas and studies that we received for this conference are very promising, unique, and impactful. I believe, these studies have the potential to address key challenges in various sub-domains of social sciences and applied sciences. The scholars attending this conference will certainly find it helpful in refining their own research ideas, finding solutions to basic/applied problems they face and interacting with other renowned scholars for possible future collaborations.

I am really thankful to our honorable scientific and review committee for spending much of their time in reviewing the papers for this event, selecting the best paper awards and helping the participants in publishing their research in affiliated journals. Also special thanks to all the session chairs from industry, academia and policy-making institutions who volunteered their time and support to make this event a success.

A very special thanks to the great scholars for being here with us as key note speakers. Their valuable thoughts will surely open the horizon of new research and practice for the conference participants coming from across the globe. I am also thankful to all the participants for being here with us to create an environment of knowledge sharing and learning. We the scholars of this world belong to the elite educated class of

this society and we owe a lot to return back to this society.  
Let's break all the discriminating barriers and get free from all  
minor affiliations. Let's contribute even a little or single step  
for betterment of society and welfare of humanity to bring  
prosperity, peace and harmony in this world. Stay blessed.



## Type of MTAR Papers

For this year, MTAR has two types of papers: *Empirical Studies* and *Insight*. Research papers meet the needs of researcher and are reviewed on the basis of highest academic standards. The objective of the academic paper is to contribute to the scientific body of knowledge. On the contrary, Insight papers meet the needs of policy makers and professionals and are reviewed on the basis of high practical standards. The objective of the Insight is to identify the real world problems and how they can be solved with the help of information systems.

## Reviewing Criteria

In MTAR all papers are judged on the same criteria (relevance, significance, originality, validity and clarity). However some criteria differ between the Research papers and Insight papers.

**Relevance:** Relevance has a great impact on the theme of the conference. The material is relevant and according to the theme of the conference.

**Significance:** Knowledge in different researches in the conference is related to research papers and insight papers.

**Originality:** Ideas that are new for the researchers are used in the conference.

**Validity:** Research papers in the conference are based on theory while the insight papers in the research are based on experimental researches. References are according to content.

**Clarity:** Papers are according to the format, language is easy and understandable by the audience in the conference.

## Acceptance Rates

Full Research Papers				
Submitted Papers	Accepted Papers	Withdrawn	Unqualified papers	Acceptance Rate
66	42	7	13	63%

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## **Acknowledgment**

A huge number of people helped in conducting the conference. First of all thanks to all the members of the Conference and Program Committee and representatives of the MTAR board and their helpers. We also want to thank all the Track Chairs, and reviewers, as well as all the members of the Scientific Committee for their help in the review process and organizing the tracks and special sessions. We thank everyone for their hard work and dedication to this conference and we look forward to the latest episode of the MTAR tradition.

Farooq Ahmed Jam (Ph.D.), Tariq Iqbal Khan (Ph.D.)  
Program Chair & Co-Chair

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|

## KEYNOTE SPEAKER

### Dr. Catherine Trudelle



Dr Catherine Trudelle obtained her first graduate degree at Laval University (Quebec, Canada) in the field of land use planning and territorial management. Then, she did her Ph.D., for which she obtained many grants, in geography still at Laval University. Immediately after her Ph.D., she made a postdoctoral training at Stanford University in the Department of sociology under the supervision of Professor Susan Olzak, a renowned professor in the field of social protest and collective action. After her postdoctoral training, she joined the Université du Quebec at Montreal where she is a Canada research chair in socioterritorial conflict and local governance in the Geography department since 2007, a very rare recognition in Canada. She teaches in the field of territories, conflict and governance and sometimes ventures in the field of urban geography and methodology.

Catherine Trudelle is a pioneer in the field of the use of relational data model to study collective action, mobilization and urban conflicts. To this day, she has published many papers and book chapters besides having graduated many students. She is also a Fulbright Fellow since 2006 and a member of the Royal Society of Canada since 2015.

## **MTAR 2016 Tracks' Chairs**

### **Business, Management, Economics Studies, Social Sciences & Humanities**

Tariq Iqbal Khan & Y.Y. Loginov

### **Health and Medicine Studies**

Vannie Naidoo & Anil Pathak

### **Engineering, Technology Studies, Physical Life & Applied Sciences**

Pammla Petrucka & Akihiro Hashimoto



## **MTAR 2016 Panels**

### **“Role of Multidisciplinary Academic Research and Technology in Development of Society”**

**Moderator: Dr. Tariq Iqbal Khan  
Dr. Catherine Trudelle**

This Panel discussion will take place to examine the role of Multidisciplinary Academic Research on society and its development. The Panel members will look at many aspects of the links between science and society — strengths, weaknesses, benefits, pitfalls and possible future directions. Panel members are invited in their capacity as research professionals to present their personal perspectives on the changing role of Multidisciplinary academic research in development of society and governance in this open forum. From this blunt and powerful exchange, a number of general observations and conclusions will be emerged that are relevant to the concept and agenda of the MTAR Conference. These are accompanied by suggestions for action recommended by some or several participants.

## **Best Paper Nominee List**

### **Social Media- Marketer's New Tool in Influencing University Students' Buying Behaviour**

*Vannie Naidoo<sup>\*</sup>, Miss Edna Ndlovu,*

University of KwaZulu-Natal, Durban, Westville Campus,  
South Africa

### **National Identity Formation within Local-Global Interaction (A Study on Impact of Globalization Toward National Identity Formation in Indonesian Areas of International Migration, International Tourism and International Industrial Cities)**

*Drajat Tri Kartono<sup>\*</sup>, Ahmad Zuber, Atik Catur Budi,*

Sebelas Maret University, Surakarta, Indonesia

### **Enhancement of the Zambal\_Lect Android Based Application "Zambaleños Dialects Local Dictionary Mobile Application"**

*Nemia M. Galang<sup>\*</sup>, Roy N. Villalobos*

Ramon Magsaysay Technological University,  
Philippines

### **Android-Based Interactive Application Development on Thematic Learning Curriculum of 2013 for Primary School Pupils in Surakarta, Indonesia**

*Prameswari, Nadia Sigi<sup>\*</sup>, Suharto, Mohamad, Prabowo,  
Tjahjo, Mulyanto*

Sebelas Maret University, Indonesia

**Accreditation Management System of Ramon  
Magsaysay Technological University (Rmtu)  
Adopting Accrediting Agency of Chartered Colleges  
and Universities in the Philippines (Aaccup)  
Standards**

*Menchie A. Dela Cruz\**

Ramon Magsaysay Technological University Iba,  
Zambales, Philippines

## **MTAR 2016 Best Paper Award Winner**

### **Enhancement of the Zambal\_Lect Android Based Application “Zambaleños Dialects Local Dictionary Mobile Application”**

*Nemia M. Galang<sup>\*</sup>, Roy N. Villalobos*

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**Dr. Ahmad Saddam (Ph.D.)**

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## **DAY 01 Thursday (September 29, 2016)**

### **Welcome Reception & Registration**

**8:30 am – 9:00 am**

**Opening Ceremony (09:00 am –10:00 am)**

**Venue: Room 1**

09:00 am – 09:15am	Welcome Remarks – <b>Ms Felicia Chong</b>	Head of Org. Committee MTAR-2016 Director International Relations and support affairs Global illuminators
09:15 am – 09:30 am	Opening Speech – <b>Dr. Tariq Iqbal Khan (Ph.D.)</b>	Conference Co- Chair- MTAR-2016 Director Global Operations Global Illuminators
09:30 am – 09:45am	Keynote Speech- <b>Dr Catherine Trudelle</b>	Professor at Université du Quebec at Montreal, Canada
09:45 am - 10: 00 am	Group Photo & Award Ceremony	

### **Grand Networking Session and Tea Break (10:00 am – 10:30 am)**

**DAY 01 Thursday (September 29, 2016)**

**Session 1 (10:30 am – 01:00 pm)**

**Venue: Room 1**

**Session Chairs: Tariq Iqbal Khan & Y.Y. Loginov**

**Track: Business, Management, Economics Studies, Social Sciences & Humanities**

MTAR-16-104	Digital Shopping and Consumer Involvement of 1st time Mothers in the Duration of Electronic Buying	Iris Gertner Moryossef
MTAR-16-137	Social Media- Marketer's new Tool in Influencing University Students' Buying Behaviour	Vannie Naidoo
MTAR-16-110	Assessment Dynamics of Oral Presentations: An Investigation into Expert, Self, and Peer Assessment	Anil Pathak
MTAR-16-116	New Approaches in Urban Conflict analysis	Catherine Trudelle
MTAR-16-141	National Identity Formation within Local-Global Interaction (A Study on Impact of Globalization toward National Identity Formation in Indonesian Areas of International Migration, International Tourism and International Industrial Cities )	Drajat Tri Kartono
MTAR-16-144	Android-Based Interactive Application Development on Thematic Learning Curriculum of 2013 for Primary School Pupils in Surakarta, Indonesia	Prameswari, Nadia Sigi
MTAR-16-147	Multiliteracies Pedagogy Design: The Case of Focused Ethnographic Research and Catalytic Validity in Literacy Development	J. Marriote Ngwaru

**Lunch Break (1:00 pm – 2:00 pm)**

**DAY 01 Thursday (September 29, 2016)**

**Panel Discussion Session (2:00 pm – 2:45 pm)**

**Venue: Room 1**

**Panel Discussion\***

**“Role of Multidisciplinary Academic Research and Technology in Development of Society”**

<b>Panellists</b>	<b>Dr. Tariq Iqbal Khan</b>  <b>Dr. Catherine Trudelle</b>
<b>Participants</b>	All Participants

This Panel discussion will take place to examine the role of Multidisciplinary Academic Research on society and its development. The Panel members will look at many aspects of the links between science and society — strengths, weaknesses, benefits, pitfalls and possible future directions. Panel members are invited in their capacity as research professionals to present their personal perspectives on the changing role of Multidisciplinary academic research in development of society and governance in this open forum. From this blunt and powerful exchange, a number of general observations and conclusions will be emerged that are relevant to the concept and agenda of the MTAR Conference. These are accompanied by suggestions for action recommended by some or several participants.



**DAY 01 Thursday (September 29, 2016)**

**Session 2 (2:45 pm – 3:45 pm)**

**Venue: Room 1**

**Session Chairs: Vannie Naidoo & Anil Pathak**

**Track: Health and Medicine Studies**

MTAR-16-140	Health Status and Eating Patterns of the Disabled According to Residence in South Regions of Korea	Shin, Dongsoon
MTAR-16-154	Comorbid Relationship in Recurrent Vascular Thrombosis of Coronary Artery Diseases	Qiao-Jun Zheng
MTAR-16-159	Study on Effects of Green Tea-Leaf Treatment for Hand Contractures in Long-Term Bedridden Elderly Patients: RCT	Akihiro Hashimoto
MTAR-16-155	Antinociceptive and Anti-Inflammatory Effects of Ginsenoside Rf in A Rat Model of Incisional Pain	Hyun Kang
MTAR-16-161	Health Literacy: The Missing Link on the Tanzania's Maternal Child Health Agenda	Pammla Petrucka

**Tea Break: (3:45 pm – 4:00 pm)**

**DAY 01 Thursday (September 29, 2016)**

**Session 3 (4:00 pm – 5:30 pm)**

**Venue: Room 1**

**Session Chairs: Pammla Petrucka & Akihiro Hashimoto**

**Track: Engineering, Technology Studies, Physical Life & Applied Sciences**

MTAR-16-142	Enhancement of the Zambal Lect Android Based Application “Zambaleños Dialects Local Dictionary Mobile Application”	Nemia M. Galang
MTAR-16-145	Accreditation Management System of Ramon Magsaysay Technological University (Rmtu) Adopting Accrediting Agency of Chartered Colleges and Universities in the Philippines (Aaccup) Standards	Menchie A. Dela Cruz
MTAR-16-105	Tem Study of the Structural Defects Formation in Electron Irradiated Zns	Y.Y. Loginov
MTAR-16-119	A New Classification of Aspartate Aminotransferase (AspAT)	Hyeoncheol Francis Son
MTAR-16-120	Structural Basis for Cytokinin Production by LOG from <i>Corynebacterium glutamicum</i> .	Seo, Hogyun,
MTAR-16-121	Structure Insight into Tetrahydrodipicolinate N-succinyltransease from <i>Corynebacterium glutamicum</i> for Lysine Biosynthesis	Sagong, Hye-Young
MTAR-16-122	Crystal Structure and Biochemical Properties of ReH16_A1887, Thiolase from <i>Ralstonia eutropha</i> H16	Kim, Jieun,
MTAR-16-123	Structural and Functional Studies on Non-snRNP Complex	Kim, Kyung-Jin

**DAY 01 Thursday (September 29, 2016)**  
**Doctoral Colloquium (5:30 pm – 6:00 pm)**

**Venue: Room 1**

**Session Chairs: Tariq Iqbal Khan & Catherine Trudelle**

MTAR-16-119	A New Classification of Aspartate Aminotransferase (Aspat)	Hyeoncheol Francis Son
MTAR-16-120	Structural Basis for Cytokinin Production by LOG from <i>Corynebacterium glutamicum</i> .	Seo, Hogyun,
MTAR-16-121	Structure Insight into Tetrahydrodipicolinate N-succinyltransferase from <i>Corynebacterium Glutamicum</i> for Lysine Biosynthesis	Sagong, Hye-Young
MTAR-16-122	Crystal Structure and Biochemical Properties of ReH16_A1887, Thiolase from <i>Ralstonia Eutropha</i> H16	Kim, Jieun,

**Closing Ceremony: (6:00 pm to 6:30 pm)**

## LIST OF CONFERENCE ATTENDEES

The following scholars/practitioners/educationists don't have any paper presentations; however they will be attending the conference as delegates and observers.

<b>ID</b>	<b>Name</b>	<b>Affiliation</b>	<b>Country</b>
MTAR-16-166	Prof. Dr. Wolfgang Malisch	University of Würzburg	Germany
MTAR-16-140	Chang Ho Ha	Kyungnam University	South Korea

## **DAY 02 Friday, (September 30, 2016)**

### **“CITY TOUR”**

**Gathering of Participants at the Lobby of Holiday Inn Bangkok Silom,  
Bangkok, Thailand at 2:00 pm**

**Departure: 2:30 pm for City Tour  
Drop Back at Holiday Inn Bangkok Silom, Bangkok, Thailand,  
at 9:00 pm**

**Important Note:** This tour is organized by Global Illuminators and entry to this tour is free for all participants. You may also bring your Siblings/Family/Friends but you have to register for them on registration desk on day 1 of conference.



**TRACK A: BUSINESS MANAGEMENT,  
ECONOMIC STUDIES, SOCIAL  
SCIENCES & HUMANITIES**



## Digital Shopping and Consumer Involvement of 1st time Mothers in the Duration of Electronic Buying

**Iris Gertner Moryossef\***

Hadassah Academic College, Israel

### Abstract

Digital consumption is defined as "the purchase of goods, services or other financial transactions in which the interactive process is mediated by information or digital technology on both sides of the process" (Rutter and Southerton 2000). Digital consumption includes information transactions, social and goods trades influence from online product recommendations (OPRs) (Jin et al., (2013). Digital consumption has increased over the last five years. Forster (2008) estimated value of goods and services purchased via the Internet to have grown from \$8 billion in 2007 to \$327 billion in 2015 in the US alone (Temkin, 2008). Until recently it was believed that the main barriers to Internet shopping were privacy or information security concerns. This study shows that the web is already generally recognized as a legitimate shopping avenue and thus sales sites are expected to perform accordingly, i.e. to be as professional as possible, display actual prices throughout the process and of course, not waste time. New mothers often use the media including advertising, public relations and Internet sites to collect the primary data before asking for friends' and family experiences (Gertner 2015, OCass 2008). It is therefore important to examine the consumer behaviour of first time mothers using an online channel and E-commerce for information collection and purchasing decisions as compared to commercial channels or other information sources. The article deals with the dilemma of whether new mothers prefer to buy in a "real shop" and traditionally seeking tangible experiences while shopping for their first born.

**Keywords:** E-Commerce, High Involvement, First Time Mothers, First Newborn

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## Social Media- Marketer's New Tool in Influencing University Students' Buying Behavior

**Vannie Naidoo<sup>1\*</sup>, Miss Edna Ndlovu<sup>2</sup>**

<sup>1,2</sup> University of KwaZulu-Natal, Durban, South Africa

### Abstract

The growth of social media worldwide has given rise to the development of a modern technique for interaction, as well as for communication between several users. Everybody worldwide is now in a position to share their opinions and experiences either bad or good with everyone else using the online social network. People on social media exchange information regarding their buying opinions and experiences regarding various products or services. Businesses today need to keep up with the technological trends. Marketers can use social media to influence buying behaviour. Students at university are an untapped market segment that needs to be explored by marketers. Since students are very techno savvy, a way for marketers to influence their buying behaviour is through social media. The study was conducted on students of the Thekwini Technical and Vocational Education and Training (TVET) College in Durban, South Africa. The population was 6500 students from the six campuses, namely the Asherville Campus, the Cato Manor Campus, the Centec Campus, the Melbourne campus and the Springfield Campus. Simple random sampling was employed in the study. The sample surveyed was 350 students from the five campuses. A questionnaire was used to gather data from respondents at the five campuses. The findings of the research revealed that the majority of the respondents were satisfied with purchasing via the social media. The respondents indicated that much information about products and services are offered on social media sites than elsewhere, thus making their decision to purchase easier. Respondents also indicated that they found it convenient to make their purchases online.

**Keywords:** Social Media, Marketing, University Students, Buying Behaviour

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## Assessment Dynamics of Oral Presentations: An investigation into Expert, Self, and Peer Assessment

**Anil Pathak\***

Universiti Teknologi Brunei, Brunei

### Abstract

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The aim of this project is to attempt a factorial analysis of the congruence amongst three layers of assessments of Oral Presentation: Expert, Self, and Peer. Participants included graduate and undergraduate students of Asian background studying Research Writing at a technological university. The research instrument consisted of a set of assessment checklists with weighted and specified criteria for Expert, Self and Peer assessment of research presentations. Broader criteria were based on the following four factors: Use of spoken media, Use of visuals, Interrelationships, and Communicative Effect. Participants received training and were involved in a practice session on self and peer assessment before engaging in the assessment tasks. While the pilot study is unable to conclusively establish congruence among the modes of assessment, it is expected that results from a wider database would indicate the nature of well-defined assessment criteria and the ways they can be effectively communicated to assessors. The present study suggests that the differences in ratings given by peers and experts are not due to a lack of capability on the part of students, but due to lack of orientation and training. It is necessary to evolve criteria that are well-documented to enable students to evaluate their own performance as well as the performance of their peers as effectively as done by experts.

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**Keywords:** Peer Assessment, Oral Presentation, Communication

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## New Approaches in Urban Conflict Analysis

**Catherine Trudelle<sup>1\*</sup>, Mathieu Pelletier<sup>2</sup>**

<sup>1,2</sup> Université du Québec at Montreal, Canada

### Abstract

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Over the past decades, the struggle for social equity may give rise to, depending on the circumstances, popular resistance taking the form of urban conflicts. In that context, a research trend is emerging in the disciplines and fields of study interested in the organization of territories and the decision-making processes shaping these territories. Its main focus is the systematic collection, formal structuring and analysis of data on conflict situations pertaining to planning and land management issues. What the works of this new body of research have in common is that they prescribe to the creation of a database by applying certain concepts developed by the humanities and social sciences, seeing therein a complementary method for opening new research opportunities and for mitigating, at least in part, the previously mentioned limitations. This paper deals with the different stages of building a database from information drawn from press releases relating to urban conflicts that took place in Montreal's Census Metropolitan Area (CMA, Quebec, Canada) over a period of twenty years (1985 to 2005). It focuses on the challenges related to the acquisition, structuring, processing and analysis of data on urban conflicts. It also addresses the potential of the scientific contribution offered by this approach to conducting an analysis of conflict activity and conflictual decision-making processes. The implications of this type of research are threefold: conceptual, methodological and theoretical. From a conceptual point of view, the exercise required clarifying and defining a set of key concepts, among them are conflict activity and decision-making. From a methodological point of view, we propose a method that allows to capture the multidimensionality of a conflict and the conflict activity. And from a theoretical point of view, we seek to identify the systematic effects of collective action in a conflict situation on the evolution of the urban form.

**Keywords:** Conflict, Conflict Activity, Decision-Making Process, Relational Data Model

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## National Identity Formation Within Local-Global Interaction (A Study on Impact of Globalization toward National Identity Formation in Indonesian Areas of International Migration, International Tourism and International Industrial Cities )

**Drajat Tri Kartono<sup>1\*</sup>, Ahmad Zuber<sup>2</sup>, Atik Catur Budi<sup>3</sup>**  
<sup>1,2,3</sup> Sebelas Maret University, Surakarta, Indonesia

### Abstract

The impact of globalization toward national identity is unavoidable. It will take place in all areas of Indonesian community where local-global interaction occurred. The impact of globalization effect comes to Indonesian community in the areas of international migration, international tourism and international industrial cities. This research is conducted to find out the national identity formation in those communities. The research used Participatory Action Research method to build substantive theory of national identity formation within local-global interaction. Three levels of identity that will be focused are local identity, national identity and global identity. The research location covers 6 areas: (a) Jakarta and Makassar (Sulawesi) represented area of international industrial cities; (b) Bawean (East Java) and Lombok (West Nusa Tenggara) represented area of international migration; (c) Denpasar (Bali) and Surakarta (Center Java) represented area of international tourism. The data were collected by employing observation, interview and Focus Group Discussion (FGD). Purposive sampling technique is used to determine the informants in this research. The results showed that the local community has global interaction performing mixed identity. This identity is resulted from the relation of its subjective meaning of self, demarcation (social space significance), collective legitimation and the community crisis. National identity, then becomes dynamic concept in which the interplay of local, national and global takes place. Globalization is encouraging for national identity to be legitimized in the global community. Nevertheless, national identity will be sceptical when social or cultural crisis occurs in the community.

**Keywords:** Crisis, Globalization, Mixed Identity, National Identity

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## Android-Based Interactive Application Development on Thematic Learning Curriculum of 2013 for Primary School Pupils in Surakarta, Indonesia

**Prameswari, Nadia Sigi<sup>1\*</sup>, Suharto, Mohamad<sup>2</sup>, Prabowo,  
Tjahjo<sup>3</sup>, Mulyanto<sup>4</sup>**

<sup>1,2,3,4</sup> Sebelas Maret University, Surakarta, Indonesia

### Abstract

In practice, the 2013 curriculum was temporarily halted due to several factors, namely: the issue on books insufficiency, assessment system, teachers upgrade, and an unfair distribution of assistant instructors and trainers. The purposes of this study are to: (1) assess the constraints faced by teachers in the learning curriculum 2013; (2) assess the learning media used in the curriculum in 2013 at several elementary schools; (3) and create a concept on learning media development for the 2013 academic curriculum to be effective and favoured by 1st grade pupils. The study was conducted at several elementary schools in Surakarta which have applied the 2013 learning curriculum. The used paradigm is a descriptive qualitative one. For data collection, several samples were purposively selected from 10 elementary schools. Those data were collected based on: (1) interview, (2) questionnaire, (3) direct observation, and (4) analysis of the documents content. The data were analysed following the stages of reduction, classification, presentation, and verification. To conclude, the obstacle encountered by instructors during 2013 learning curriculum was the lack of thematic integrative-based learning media for elementary school pupils. Ideally, the learning media curriculum should be attractively, and efficiently adorned and in conformity with advanced technology development. Thus, it is necessary to adopt the concept of an android-based interactive application development on thematic learning curriculum for primary school pupils. This research prioritizes its focus on PPKn (The Indonesian Values) theme which is easily understood and liked by the pupils, for it possesses the core courses that foster the spirit of nationalism for Indonesia.

**Keywords:** Learning Media, Interactive Multimedia, Curriculum 2013, Indonesian Values

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## Multiliteracies Pedagogy Design: The Case of Focused Ethnographic Research and Catalytic Validity in Literacy Development

**J. Marriote Ngwaru\***

The Aga Khan University Institute  
Educational Development – East Africa, Tanzania

### Abstract

This paper reports a research and development initiative aimed at leveraging these and other attendant challenges. The research initiative utilized a sequential mixed method design to establish the baseline factors and status of literacy development in a rural district. This was exploited as an opportunity for stakeholder participation in Multiliteracies Pedagogy Design for sustainable materials development. The study used a questionnaire survey involving all 101 primary schools in a rural district followed by rapid ethnography involving 20 of the schools and detailed vertical case studies involving another five purposively selected schools. Results revealed how socio-cultural specific factors including why appropriate learning materials were lacking and daunting challenges against parental involvement militated against children's effective learning. Consequently twenty five teachers and 10 parents were invited to participate in a capacity building workshop leading to the development of socio-culturally relevant learning materials. Together ten story books were developed in Kiswahili and English with three of the titles further developed in braille. About 45,000 copies have now been distributed to more than 150 schools as well as libraries and other intervention programmes in the region. This study has trail blazed a new theoretical framework applicable to the Sub-Saharan African context potentially responding to the context-specific challenges such as large classes, parental involvement and education budgetary constraints by national governments. This will again repudiate dominant relations of power between the home and school domains by recognizing the crucial role of communities' funds of knowledge in the curriculum.

**Keywords:** Pedagogy Design, Parental Involvement, Teaching Learning Materials, Low-Resource Contexts, Sub-Saharan Africa

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**TRACK B: ENGINEERING,  
TECHNOLOGY STUDIES, PHYSICAL  
LIFE & APPLIED SCIENCES**



## Enhancement of the Zambal Lect Android Based Application “Zambaleños Dialects Local Dictionary Mobile Application”

**Nemia M. Galang<sup>1\*</sup>, Roy N. Villalobos<sup>2</sup>**

<sup>1,2</sup> Ramon Magsaysay Technological University, Philippines

### Abstract

The current trends in IT especially nowadays, affect the lives and culture of every Filipino and this includes language and innovations of electronic dictionaries. Considering that the proponent is a Filipino, the proponents sensed the significant impact of IT in the lives of every Filipino and all other individuals, most especially in the current trends today. In the province of Zambales in country of the Philippines, the people speak the dialect known as Sambali, this was predominantly used in the province of Zambales. This dialect is also used in some areas such as the municipality of Infanta in Pangasinan, Panitian, Quezon, Palawan and Barangay Mandaragat or Buncag in Puerto Prinsesa. The other prominent dialects used are also known as Sambal Botolan, Tagalog, and Ilocano. This study aimed to develop an application that can run on mobile phones which can manage and store words in Tagalog, give the definition and meaning and translate to other local dialects which are also used in some municipalities in Zambales such as Sambal in Botolan, Sambal Tina and Ilocano and in English as well. Specifically, the objective is to determine the level of effectiveness of the existing and the proposed Zambaleños Dialects Local Dictionary Mobile Application that can run on android-based mobile phones. The respondents were the faculty and students in the College of Communication and Information Technology who are enrolled in Ramon Magsaysay Technological University. Regarding the level of effectiveness of the Zambaleños Dialects Local Dictionary Mobile Application which was measured in the following criteria: presentation of information; design; interaction; and speed in learning words. The hypothesis tested is there exists no significant difference between the existing Zambal Lect Android Based Application and Zambaleños Dialects Local Dictionary Mobile Application.

**Keywords:** Mobile Application, Electronic Dictionary, Sambali, Sambal, Dialects

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<sup>3rd</sup> International Conference on Multidisciplinary Trends in Academic Research (MTAR-2016)



## Accreditation Management System of Ramon Magsaysay Technological University (Rmtu) Adopting Accrediting Agency of Chartered Colleges and Universities in the Philippines (Aaccup) Standards

**Menchie A. Dela Cruz\***

Ramon Magsaysay Technological University Iba, Zambales Philippines

### Abstract

This study aimed to determine the effectiveness of both existing accreditation system and the proposed accreditation management system for Ramon Magsaysay Technological University. This study made use of causal comparative descriptive research to determine the cause or consequences of differences that already exist between or among group of individuals. This covered ninety eight total respondents, eighty-eight personnel respondents and ten accreditor respondents. These respondents were chosen using a purposive sampling technique, as based on the identified group of the respondents. The existing accreditation system and the proposed Accreditation Management System were both evaluated using Information Systems (IS) effectiveness measurements by Updated DeLone & McLean Success Model, namely; information quality, system quality, service quality, intention to use, user satisfaction and net benefits. The existing system was evaluated as Moderately Effective by the respondents because there is a need for a systematic and accurate procedure for handling and collecting data and information, proper storage of records and files, and easy access of information for updates and evaluation while the proposed Accreditation Management System for RMTU adopting AACCUP standards was evaluated as Effective which marks significant impact in the process of program accreditation. This concluded that proposed system is very helpful to the university for its significant features to store large amount of data and information, process data access, updates and retrieval for evaluation. The proposed accreditation management system for RMTU was decisively chosen by the respondents as preferred accreditation system for the institution.

**Keywords:** Effectiveness, Evaluation, Information Systems, System Quality, Service Quality, User Satisfaction, Net Benefits

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## Tem Study of the Structural Defects Formation in Electron Irradiated ZnS

**Y.Y. Loginov<sup>1</sup>, I.V. Kovalev<sup>2</sup>, P.V. Zelenkov<sup>3</sup>**  
<sup>1,2,3</sup> Siberian State Aerospace University, Russia

### Abstract

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The formation of structural defects grown from the vapour phase ZnS crystals after electron irradiation with energy of 400 keV and intensity of  $(1 - 4) \cdot 10^{19} \text{ e/cm}^2 \cdot \text{s}$  in situ in electron microscope was studied. Samples were examined and irradiated in a JEOL 4000EX-II electron microscope operated at energy of 400 keV. It is shown that under electron irradiation the small dislocation loops in size of 2.5 - 45 nm and a density of  $1.4 \cdot 10^{11} \text{ cm}^{-2}$ , as well as voids and fine particles of a new phase in size  $\leq 10 \text{ nm}$  are formed. These features can be identified from an analysis of moiré fringe contrast as phase of ZnO<sub>2</sub>. Study of structural defects formation in ZnS can be used to solve problems of management type, density and spatial distribution of defects in the crystal structure that is important for the improvement of semiconductor technology.

**Keywords:** Transmission Electron Microscope, Structural Defects, Zinc Sulphide, Electron Irradiation

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## A New Classification of Aspartate Aminotransferase (Aspat)

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<sup>1,2,3</sup> Kyungpook National University, South Korea Republic

### Abstract

Aspartate aminotransferase from *Corynebacterium glutamicum* (CgAspAT) is a PLP-dependent enzyme that catalyses the production of L-aspartate and  $\alpha$ -ketoglutarate from L-glutamate and oxaloacetate in L-lysine biosynthesis. In order to understand the molecular mechanism of CgAspAT and compare it with those of other aspartate aminotransferases (AspATs) from the aminotransferase subgroup I, we determined the crystal structure of CgAspAT. CgAspAT functions as a dimer, and the CgAspAT monomer consists of two domains; the core domain and the auxiliary domain. The PLP cofactor was found to be bound to CgAspAT and stabilized through unique residues. Interestingly, the glutamate substrate was bound in a different conformation in each subunit, one in the covalent conformation and the other in the non-covalent conformation with PLP, suggesting that the glutamate substrate and residues in the substrate binding pocket undergo local conformational changes during enzyme catalysis. When compared with the other AspATs from aminotransferase subgroup Ia and Ib, CgAspAT exhibited unusual structural features in the auxiliary domain; moreover, it was found to have unique binding sites for both cofactor and substrate.

**Keywords:** Aminotransferase, Crystal Structure, *Corynebacterium Glutamicum*

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## Structural Basis for Cytokinin Production by LOG From *Corynebacterium Glutamicum*

Seo, Hohyun<sup>1</sup>, Joo, Seong Joon<sup>2</sup>, Kim, Kyung-Jin<sup>3</sup>  
<sup>1,2,3</sup> Kyungpook National University, South Korea Republic

### Abstract

“Lonely guy” (LOG) has been identified as a cytokinin-producing enzyme in plants and plant-interacting fungi. However, functions of a large number of LOG-like proteins from bacteria remain unclear with misannotation as lysine decarboxylases (LDCs) until now. The gene product of *Cg2612* from the soil-dwelling bacterium *Corynebacterium glutamicum* was previously annotated as a LDC. To investigate the function of *Cg2612*, we determined its crystal structure at a 2.3 Å resolution. *Cg2612* functions as a dimer and shows an overall structure similar to other known LOGs, such as LOGs from *Arabidopsis thaliana* (*AtLOG*), *Claviceps purpurea* (*CpLOG*), and *Mycobacterium marinum* (*MmLOG*). *Cg2612* also contains a “PGG<sub>X</sub>GT<sub>XX</sub>E” motif that contributes to the formation of an active site similar to other LOGs. Moreover, biochemical studies on *Cg2612* revealed that the protein has phosphoribohydrolase activity but not LDC activity. Based on these structural and biochemical studies, we proposed that *Cg2612* is not a LDC family enzyme, but instead belongs to the LOG family. In addition, the putative prenyl-binding site of *Cg2612* (*CgLOG*) is comprised of residues identical to those seen in *AtLOG* and *CpLOG*, albeit dissimilar to those in *MmLOG*. With the previously reported cytokinin production from *M. tuberculosis*, our work intimates cytokinin production from *C. glutamicum* and provides structural and functional implications for LOG-like proteins from microbes.

**Keywords:** Phosphoribohydrolase, cytokinin, *C. glutamicum*, LOG, X-ray crystallography

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## Structure Insight into Tetrahydrodipicolinate N-Succinyltransferase From *Corynebacterium Glutamicum* for Lysine Biosynthesis

**Sagong, Hye-Young<sup>1</sup>, Kim, Kyung-Jin<sup>2</sup>**

<sup>1,2</sup>, Kyungpook National University, South Korea Republic

### Abstract

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Tetrahydrodipicolinate N-succinyltransferase (DapD) is an enzyme involved in the biosynthesis of L-lysine by converting tetrahydrodipicolinate into N-succinyl-L-2-amino-6-oxopimelate, using succinyl-CoA as a cofactor. We determined the crystal structure of DapD from *Corynebacterium glutamicum* (CgDapD). CgDapD functions as a trimer, and each monomer consists of three domains: an N-terminal helical domain, a left-handed beta-helix (LβH) domain, and a beta C-terminal domain. The N-terminal helical domain and LβH domain mostly contribute to the trimerization of the enzyme. The mode of cofactor binding to CgDapD was elucidated by determining the structure in complex with succinyl-CoA, revealing that the position of the beta C-terminal domain changes slightly as the cofactor binds to the enzyme. The superposition of this structure with that of *Mycobacterium tuberculosis* DapD in complex with its substrate revealed differences in residues that make up cofactor-binding sites of these two proteins. Moreover, we determined the structure of CgDapD in complex with the substrate analog 2-aminopimelate and revealed that the analog was stabilized by conserved residues. Kinetic studies of CgDapD revealed  $K_m$ ,  $V_{max}$ , and  $k_{cat}$  values, and the catalytic and substrate binding sites of CgDapD were confirmed by site-directed mutagenesis experiments.

**Keywords:** *Corynebacterium glutamicum*, tetrahydrodipicolinate N-succinyltransferase, L-lysine

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## Crystal Structure and Biochemical Properties of ReH16\_A1887, Thiolase from *Ralstonia eutropha* H16

**Kim, Jieun<sup>1</sup>, Kim, Kyung-Jin<sup>2</sup>**

<sup>1,2</sup> Kyungpook National University, South Korea Republic

### Abstract

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*ReH16\_A1887* from *Ralstonia eutropha* is an enzyme annotated as a 3-ketoacyl-CoA thiolase, and it catalyses the fourth step of  $\beta$ -oxidation degradative pathways by converting 3-ketoacyl-CoA to acyl-CoA. We determined the crystal structures of *ReH16\_A1887* in the apo-form and in complex with its CoA substrate. *ReH16\_A1887* functions as a dimer, and the monomer of *ReH16\_A1887* comprises of three subdomains (I, II, and III). The structural comparison between the apo-form and the CoA-bound form revealed that *ReH16\_A1887* undergoes a structural change in the lid-subdomain (subdomain III) upon the binding of the CoA substrate. The CoA molecule was stabilized by hydrogen bonding with positively charged residues such as Lys18, Arg210, and Arg217, and residues Thr213 and Gln151 aid its binding as well. At the active site of *ReH16\_A1887*, highly conserved residues such as Cys91, His348, and Cys378 were located near the thiol-group of CoA, indicating that *ReH16\_A1887* might catalyse the thiolase reaction in a way similar to other thiolases. Moreover, in the vicinity of the covalent nucleophile Cys91, a hydrophobic hole that might serve as a binding site for the acyl-group of 3-ketoacyl-CoA was observed. The residues involved in enzyme catalysis and substrate-binding were further confirmed by site-directed mutagenesis experiments.

**Keywords:** *Ralstonia eutropha*, 3-Ketoacyl-CoA thiolase, Structure, Polyhydroxyalkanoate

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## Structural and Functional Studies on Non-snRNP Complex

**Kim, Yeo-Jin<sup>1</sup>, Kim, Kyung-Jin<sup>2</sup>**

<sup>1,2</sup> Kyungpook National University, South Korea Republic

### Abstract

The hPrp19–CDC5L complex plays a crucial role during human pre-mRNA splicing by catalytic activation of the spliceosome. In order to elucidate the molecular architecture of the hPrp19–CDC5L complex, the crystal structure of CTNNBL1, one of the major components of this complex, was determined. Unlike canonical ARM-repeat proteins such as  $\beta$ -catenin and importin- $\alpha$ , CTNNBL1 was found to contain a twisted and extended ARM-repeat structure at the C-terminal domain and, more importantly, the protein formed a stable dimer. To investigate the oligomeric state of CTNNBL1 in solution, we performed small angle X-ray scattering experiments in various concentrations of NaCl. We observed that CTNNBL1 existed as a dimer in physiological NaCl concentrations. Site-directed mutagenesis experiment of CTNNBL1 confirmed that N-terminal capping region and the first four ARM repeats are important for dimerization of the protein. We also found that the positively-charged NLS3-containing region (residues 197–235) of CDC5L bound to the highly negatively charged patch formed in the N-terminal ARM-repeat domain of CTNNBL1 and the hPrp19–CDC5L complex is a heterotetramer consisting of one CTNNBL1 dimer and one CDC5L dimer. Moreover, reconstruction of 3D models of CTNNBL1/CDC5L complexes containing CTNNBL1 and three different truncated forms of CDC5L showed that the CDC5L141–196 region and the CDC5L236–377 region were positioned at the top of the N-terminal capping region and at the bottom of ARM VII of CTNNBL1, respectively. These findings not only present the crystal structure of a novel ARM-repeat protein, CTNNBL1, but also provide insights into the detailed molecular architecture of the hPrp19–CDC5L complex.

**Keywords:** Spliceosome, Non-RNP, CTNNBL1/CDC5L complex, Architecture

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## **TRACK C: HEALTH & MEDICINE STUDIES**



## Health Status and Eating Patterns of the Disabled According to Residence in South Regions of Korea

**Kim, Hwa Young<sup>1</sup>, Shin, Dongsoon<sup>2</sup>**  
<sup>1,2</sup> Kyungnam University, South Korea

### Abstract

The questionnaire survey was conducted to identify the difference of eating pattern, fatigue and chronic disease prevalence according to their residence during 11 days in March 2016. Data were analysed statistically using SPSS v. 20. The subjects were total 119 males residing in welfare facilities (F group) or their household (H group) in Changwon area of South Korea. The results are as follows: The F group were significantly younger and leaner than H group ( $p<.001$ ). The F group had shown better eating habits such as less skip-meal, less eat-out, less frequency of instant food intake and had more experiences of diet therapies, nutrition education and counselling than those of H group ( $p<.001$ ). And also their smoking and drinking habits including complication of chronic diseases were less, but degree of fatigue was higher than that of H group ( $p<.01$ ). Conclusively there seemed to be significant differences in variables related to health and eating behaviour according to residence of the disabled people. In Korea welfare facilities might supply beneficial nutrition services through controlled dietary management, even though it was stressful activity for them. In contrast, the people residing in their households had the difficulties from self-regulation of dietary conditions regardless of psychological comfort of free living style, so resulted in more obesity. In the future, it would be anticipated as more practical and public support to secure the dignity and value of humanity of the disabled than now.

**Keywords:** Disabled, Eating Patterns, Obesity, Welfare Facilities, Household

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Email: shinds@kyungnam.ac.kr





## Comorbid Relationship in Recurrent Vascular Thrombosis of Coronary Artery Diseases

**Ru-Yi Tsai<sup>1</sup>, Qiao-Jun Zheng<sup>2</sup>, Yu-Ting Huang<sup>3</sup>, Pei-Chun  
Chang<sup>4</sup>**

<sup>1</sup> National Taiwan University, Taiwan

<sup>2,3,4</sup> Asia University, Taiwan

### Abstract

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Recently, some studies pointed out that the coronary heart disease with recurrent vascular thrombosis in Taiwan was the most important cause of death in patients. In this study, we applied the gene markers from genomic experiments regarding recurrent vascular thrombosis to infer the relevant disease. The morbidities between recurrent vascular thrombosis and these relevant diseases were verified with the patient samples from Southwest District of Taiwan. The patients with coronary heart disease and treated by stent during the 2007-2012 in Taiwan Southwest District were sampled. Recurrent cardiovascular thrombosis was defined by the treating number of stent for coronary heart disease. There were 866 patients with coronary heart disease in our study. The relevant factors of recurrent cardiovascular thrombosis included population characteristics and relevant diseases. Our results showed that recurrent cardiovascular thrombosis was not correlated with patient sex and age distribution, but was highly correlated with hypertension, hyperglycemia, hyperlipidemia, hepatitis, angina and prostate hyperplasia (male patients).

**Keywords:** Coronary Heart Disease, Cardiovascular Thrombosis, Stent

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Email: [peichun.chang@gmail.com](mailto:peichun.chang@gmail.com)



## Study on Effects of Green Tea-leaf Treatment for Hand Contractures in Long-term Bedridden Elderly Patients: RCT

**Sonomi Okazaki<sup>1</sup>, Naoko Hara<sup>2</sup>, Akihiro Hashimoto<sup>3\*</sup>**

<sup>1</sup> Sado Nursing School, Niigataken Kouseiren, Japan

<sup>2,3</sup> Niigata College of Nursing, Japan

### Abstract

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Many stroke survivors have limb contracture which is shortened muscles in an arm or leg from reduced ability to move the affected limb or lack of exercise. Restoration and functional restitution of hand contracture has slowed so much as to be barely noticeable, after 6 months after stroke. Our purpose is to explore the effects of two-week green tea leaf treatment of contracture of hand of long term bedridden elderly patients. The hypotheses were that green tea leaf treatment improves odour and skin condition level after intervention and over two weeks period. We carried out a randomized controlled trial. 27 hands from 22 patients were randomly assigned to either green tea leaf treatment (n1=14) or standard rolled towel treatment, and measured by odour and skin level. We verified deodorized effect of green tea leaf treatment by the nonparametric rank statistical test. And we also showed effective properties of green tea bag treatment against ulcer in palm and fingers.

**Keywords:** Hand Contracture, Green Tea Leaf, Hand Treatment, Odour removal, Improvement in Skin Condition

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Email: hash@niigata-cn.ac.jp



## Health Literacy: The Missing Link on the Tanzania's Maternal Child Health Agenda

**Pammla Petrucka<sup>1</sup>, Sandra Bassendowski<sup>2</sup>, Emmanuel  
Makongoro<sup>3</sup>**

<sup>1,2</sup> University of Saskatchewan, Canada

<sup>3</sup> Green Hope Organisation, Tanzania

### Abstract

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Maternal and child health continue to be pervasive elements of the global health agenda. In Tanzania, these vulnerable sub-populations continue to be the target for national and international funding, frequent program/service innovations, and an array of 'one off' projects; yet the disparities in health status and health outcomes continue to be sub-optimal. A significant gap lies in the knowledge translation and exchange mechanisms across sectors, between professionals, and from provider to patient (or community). It is this latter 'mis'-relationship which is the focus of this paper. There is an imperative for health literacy efforts to build capacity and empower the target sub-populations in order to move forward positively in the efforts to improve health, generally, and health outcomes, specifically. Through increased efforts to share knowledge regarding maternal and child health and focusing on the right to know, the possibilities for positive shifts in self-care and improved engagement in achieving health will be realized.

**Keywords:** Health Literacy, Maternal/Child Health, Tanzania, Global Health

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## Antinociceptive and Anti-Inflammatory Effects of Ginsenoside Rf in A Rat Model of Incisional Pain

**Min Kyoung Kim<sup>1</sup>, Hyun Kang<sup>2</sup>, Chong Wha Baek<sup>3</sup>, Yong Hun Jung<sup>4</sup>, Geun Joo Choi<sup>5</sup>, Hwa Yong Shin<sup>6</sup>, Kyung Soo K<sup>7</sup>**  
Chung-Ang University, Republic Of Korea

### Abstract

Ginseng saponin has long been used as a traditional Asian medicine and is known to be effective in treating various kinds of pain. Ginsenoside Rf is one of the biological active saponins found in ginseng. We evaluated ginsenoside Rf's antinociceptive and anti-inflammatory effects and its mechanism of action on adrenergic and serotonergic receptors in an incisional pain model. Mechanical hyperalgesia was induced by plantar incision in rats followed by intraperitoneal (IP) administration of increasing doses of ginsenoside Rf (the vehicle, 0.5, 1, 1.5 and 2 mg/kg). Antinociceptive effect was also compared in rats received ketorolac 30 mg/kg injection and naïve group, which did not undergo incision. To evaluate the mechanism of action, rats were treated with prazosin 1 mg/kg, yohimbine 2 mg/kg or ketanserin 1 mg/kg prior to receiving ginsenoside Rf 1.5 mg/kg. The mechanical withdrawal threshold (MWT) was measured using von Frey filaments at a variety of time points before and after ginsenoside Rf administration. To evaluate the anti-inflammatory effect, serum interleukin (IL)-1 $\beta$ , IL-6, and tumor necrotizing factor (TNF)- $\alpha$  levels were also measured. Ginsenoside Rf increased MWT significantly with a curvilinear dose-response peaking at 1.5 mg/kg. IL-1 $\beta$ , IL-6, and TNF- $\alpha$  levels were significantly diminished. Ginsenoside Rf's antinociceptive effect was reduced by yohimbine, but potentiated by prazosin and ketanserin. IP ginsenoside Rf has an antinociceptive effect peaking at a dose of 1.5 mg/kg. Anti-inflammatory effects were also detected.

**Keywords:** Analgesics; Anti-inflammatory Agents; Ginsenosides; Models, Animal; Pain, Postoperative

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## **FUTURE EVENTS**

## **3rd INTERNATIONAL CONFERENCE ON**

**“Innovative Trends in Multidisciplinary Academic Research”  
(ITMAR-2016)**



**Date:** October 20-21, 2016

**Venue:** Istanbul Gonen Hotel, Istanbul, Turkey

**Email:** [itmar@globalilluminators.org](mailto:itmar@globalilluminators.org)

**Abstract Submission Date:** September 30, 2016

**Full Paper Submission Date:** September 30, 2016

**Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.**

### **Conference Main Tracks**

- Business, Management and Economic Studies
- Health and Medicine Studies
- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies
- For more details visit [www.globalilluminators.org](http://www.globalilluminators.org)

## **1st INTERNATIONAL CONFERENCE ON**

**“Interdisciplinary Academic Research and Innovation 2016”  
(IARI – 2016)**



**Date:** November 23-24, 2016

**Venue:** Indonesia Computer University

**Email:** [iari@globalilluminators.org](mailto:iari@globalilluminators.org)

**Abstract Submission Date:** November 5, 2016

**Full Paper Submission Date:** November 10, 2016

**Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.**

### **Conference Main Tracks**

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- Engineering & Technology Studies
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## **4th INTERNATIONAL CONFERENCE ON**

**“Innovation Challenges in Multidisciplinary Research &  
Practice”**

**(ICMRP -2016)**



**Date:** December 15-16, 2016

**Venue:** Hotel Grand Pacific Singapore

**Email:** [icmrp@globalilluminators.org](mailto:icmrp@globalilluminators.org)

**Abstract Submission Date:** November 30, 2016

**Full Paper Submission Date:** December 5, 2016

**Selected conference papers will be published in special  
/regular issue of ISI/Scopus indexed journals associated  
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**3rd INTERNATIONAL CONFERENCE ON**  
**“Global Issues in Multidisciplinary Academic Research”**  
**(GIMAR -2017)**



**Date:** February 01-02, 2017

**Venue:** Hotel Sunroute Plaza Shinjuku, Tokyo, Japan

**Email:** [gimar@globalilluminators.org](mailto:gimar@globalilluminators.org)

**Abstract Submission Date:** January 15, 2016

**Full Paper Submission Date:** January 20, 2016

**Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.**

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### **3rd INTERNATIONAL CONFERENCE ON**

**“Multidisciplinary Innovation in Business Engineering  
Science & Technology”  
(MI-BEST -2017)**



**Date:** February 23-24, 2017

**Venue:** Century Park Hotel, Manila, Philippines

**Email:** mibest@globalilluminators.org

**Abstract Submission Date:** February 5, 2016

**Full Paper Submission Date:** February 10, 2017

**Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.**

#### **Conference Main Tracks**

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**4th INTERNATIONAL CONFERENCE ON**  
**“Trends in Multidisciplinary Business & Economic Research”**  
**(TMBER -2017)**



**Date:** March 25-26, 2017

**Venue:** Novetal Hotel Sydney central, Sydney Australia

**Email:** [tmber@globalilluminators.org](mailto:tmber@globalilluminators.org)

**Abstract Submission Date:** March 5, 2017

**Full Paper Submission Date:** March 10, 2017

**Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.**

**Conference Main Tracks**

- Business, Management and Economic Studies
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## **4th INTERNATIONAL CONFERENCE ON**

**“Global Trends in Academic Research”  
(GTAR -2017)**



**Date:** April 20-21, 2017

**Venue:** San Servolo Convention Center, Venice, Italy

**Email:** gtar@globalilluminators.org

**Abstract Submission Date:** April 5, 2017

**Full Paper Submission Date:** April 10, 2017

**Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.**

### **Conference Main Tracks**

- Business, Management and Economic Studies
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- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

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# **3<sup>rd</sup> INTERNATIONAL CONFERENCE ON**

**“New Directions in Multidisciplinary Research & Practice”  
(NDMRP -2017)**



**Date:** May 12-13, 2017

**Venue:** Amalia Hotel Athens, Greece

**Email:** ndmrp@globalilluminators.org

**Abstract Submission Date:** April 20, 2017

**Full Paper Submission Date:** April 25, 2017

**Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.**

## **Conference Main Tracks**

- Business, Management and Economic Studies
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- Engineering & Technology Studies
- Social Sciences & Humanities
- Physical Life and Applied Sciences
- Regional and Religious Studies
- Multidisciplinary and Interdisciplinary Studies

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## **4th INTERNATIONAL CONFERENCE ON**

**“Multidisciplinary Innovation Sustainability & Growth”  
(MISG -2017)**



**Date:** July 05-06, 2017

**Venue:** The Federal Hotel Kuala Lumpur Malaysia

**Email:** [misg@globalilluminators.org](mailto:misg@globalilluminators.org)

**Abstract Submission Date:** June 15, 2017

**Full Paper Submission Date:** June 30, 2017

**Selected conference papers will be published in special /regular issue of ISI/Scopus indexed journals associated with this conference.**

### **Conference Main Tracks**

- Business, Management and Economic Studies
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# CSR



Environment

Charities

Public Health



Growth and  
Development

Sustainability



## **CSR Activity Conducted By Global Illuminators: Sport Activation for Children against Negative Impact of Internet & Technology**

In the April 2016, Global Illuminators conducted Corporate Social Responsibility program together with Maestro and the Clover as Sport Facility Provider in Bandung, initiate an event with theme:



### **The Objectives of this event were:**

1. Media of education for parents and children to be aware of digital new era and its impact to children's life
2. Facilitate and promote futsal as one of the kinds of sport activation that can be alternative activity for children against the negative impact of internet
3. Social activity and charity engage orphan to enjoy sport activities together with their friends
4. Corporate Social Responsibility of Company to contribute to the society especially to solve one of the social problems in Bandung.



**Highlights of CSR Activities are Given Below:**



## **Global Illuminators Malaysia Team conducted its Latest CSR activity at Rumah Charis, Kuala Lumpur, Malaysia Children Home**

Global Illuminators Malaysia Team conducted its latest CSR activity at Rumah Charis, Kuala Lumpur, Malaysia Children home. The children home ministry provides care for orphans and single parent children, their homes and activities aim to create a suitable environment to enable children to grow. They help to provide spiritual direction, education, and counselling for the children. Emphasis was given to fellowshiping and spending time with the children over refreshments, as well as presenting them with small gifts as well as the organizing of special entertainment programmes for the children such as a special game segment. One of the other highlights of the evening was the goodie bags distribution programme carried out by Global Illuminators.



## Global Illuminators Indonesian Team conducted its Latest CSR activity in Ramadan for Local Community Welfare, Sharing Happiness and developing Orphan Children

Global Illuminators Indonesian team conducted its latest CSR activity in Ramadan for orphans. The purpose of this activity was to give happiness and develop orphans with the support of more than 60 volunteers and distribute iftar to more than 400 beneficiaries (yateem, orphan and dhuafa). Global illuminators indonesian team spent time with children and conducted different activities for their moral self development.

Highlights of this activity are given below:









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