Perspectives on Development Policy in the Greater Mekong Region (PDP-GMR), Vol.3, No. 2 (July 2015)

Journal of

PERSPECTIVES ON DEVELOPMENT POLICY IN THE GREATER MEKONG REGION

Volume 3, Number 2, July 2015

_Perspectives on Development Policy in the Greater Mekong Region_ is an international publication, published twice a year. We seek to be a forum for publishing wide-angle and critical views of development policies that gives attention to economic, social, cultural and environmental aspects of development. The Journal is owned by the International College of Mekong Region, Chiang Rai Rajabhat University and published on a non-profit basis. The views published herein are not necessarily those of the International College of Mekong Region, or its management and editorial personnel. Inquiries or comments on material published may be addressed to The Managing Editor.
CONTENTS

Editor’s Introduction iv

ARTICLES

Impact of FDI on Economic Growth in Lao PDR 1
Anitta Phommahaxay

Rural Household’s Vulnerability Assessment to Climate Variability 19
Hoeurn Cheb

The Effect of Rice Contract Farming on Smallholder Farmers’ Incomes in Cambodia 39
Kong Sopheak

Natural Resources and Local Community: The Case of Jade Production and Local Community in Lonekhinn-Hpakant Jade Mine Area, Kachin State, Myanmar 62
Dr. Hla Hla Kyi

Study of Stability Analysis of Underground Structure in Himalayan Region of Nepal 76
Shyam Sundar Khadka

A Trial of Integrated Water Resource Management in Durlung Watershed, Bagmati Zone, Nepal 90
Sabita Aryal Khanna
# CONTENTS

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Royal Coast Tourism: Area Potential and Integrated Management for Sustainable Coastal Tourism Development</td>
<td>106</td>
</tr>
<tr>
<td><em>Maturose Prabpriree</em></td>
<td></td>
</tr>
<tr>
<td>Preliminary Survey of Lichens at Maechon Luang Highland Agricultural Research Station, Maechaem District, Chiangmai</td>
<td>123</td>
</tr>
<tr>
<td><em>Pranom Kaewrakon</em></td>
<td></td>
</tr>
<tr>
<td>Curd Coconut: Its Mystery and Potentialities</td>
<td>133</td>
</tr>
<tr>
<td><em>Narong Chomchalow</em></td>
<td></td>
</tr>
<tr>
<td>Classification of Orange Juice Adulterated by Table Sugar Solution Using Principal Component Analysis</td>
<td>139</td>
</tr>
<tr>
<td><em>Panmanas Sirisomboon</em></td>
<td></td>
</tr>
<tr>
<td><strong>BOOK REVIEW</strong></td>
<td></td>
</tr>
<tr>
<td>Bioprocessing of Renewal Resources to Commodity Bioproducts</td>
<td>145</td>
</tr>
<tr>
<td>The Handbook of Global Climate and Environmental Policy</td>
<td>147</td>
</tr>
<tr>
<td><strong>CALL FOR ARTICLE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>EDITORIAL ADVISORY BOARD</strong></td>
<td>150</td>
</tr>
<tr>
<td><strong>CONTRIBUTORS</strong></td>
<td>154</td>
</tr>
</tbody>
</table>
EDITOR’S INTRODUCTION

During the past years, The Mekong Institute (MI), an intergovernmental organization working in the six Greater Mekong Subregion (GMS) countries, had closely worked with The International College of Mekong Region (ICMR), Chiang Rai Rajabhat University, especially in providing the researchers to participate in the research training activity as well as the senior lecturer from ICMR had joined consultation on research projects for other researchers from GMS countries (Cambodia, Lao PDR, Myanmar, Thailand, Vietnam and Yunnan Province of China). This collaborated effort has been initiated by MINZAS program.

MINZAS program is a partnership program of Mekong Institute and New Zealand Embassy in Bangkok. The objective of this program is to enhance research capacity of young GMS researchers by providing a structured learning and filed research application program for 36 master’s degree students from provincial universities in Cambodia, Lao PDR, Myanmar and Thailand.

Through a comprehensive supports – trainings, roundtable meeting, constructive advices from MI advisors including financial supports – which are to be and have been provided to scholarship grantees, students’ research skills and conduction of research deem to be developed. The completed research works will be published in ‘MI Working Paper Series’ and disseminated to related agents among the GMS.

The MINZAS Program is designed for 3 cycles; each cycle lasts for one year with 4 phases:
> Phase One: Training on Research Methodology
> Phase Two: Implementation of Sub-regional Research in Respective Countries
> Phase Three: Research Roundtable Meeting
> Phase Four: Publication and Dissemination of Students’ Works in ‘MI Working Paper Series’

The research cycle involves:
* One month training course on GMS Cooperation and ASEAN Integration, research development and methodology. The students will produce their research designs and action plans as training outputs;
* Technical assistance and advisory support to MINZAS scholars by experienced mentors and academicians in the course of the research process;
* The scholars will present their research papers in a round table meeting attended by subject experts and their peers;
* Scholars will revise their research papers and improve as necessary, based on experts and peer review during the roundtable meeting;
* Publication of reports as MI working paper series.

The fruitful results of MINZAS program are three research papers from LAO PDR; Anita Phommahaxay and Boonlert Vanhnalat in “Impact of FDI on Economic Growth in LAO PDR”. Another two papers from Cambodia; Kong Sopheak in “The Effect of Rice Contract Farming on Small Holder Farmers’ Income in Cambodia, and Hoeurn Cheb in “Rural Household Vulnerability Assessment to Climate Variability”. These three articles are appeared in this Journal of Perspectives on Development Policy in the Greater Mekong Region.

The other seven articles are delineated in an appropriate research methodology which relevant to policy development in that particular areas of specialization; namely, Shyam Sundar Khadka in “Study of Stability Analysis of Underground Structure in Himalayan Region of Nepal, Sabita Aryal Khanna in “A Trial of Integrated Water Resource Management in Durlung Watershed, Bagmati Zone, Nepal”, Pranom Kaewrakon in her article “Preliminary Survey of Lichen at Maechon Luang Highland Agricultural Research Station, Maecham District, Chiangmai”, Narong Chomchalow, presented his article “Curd Coconut: Its Mystery and Potentialities”, Panmanas Sirisomboon with her research work in “Classification of Orange Juice Adulterated by Table Sugar Solution Using Principal Component Analysis”, Hla Hla Kyi in “Natural Resources and Local Community: The Case of Jade Production and Local Community in Lonekhinn-Hpakant Jade Mine Area, Kachin State, Myanmar”, Maturose Prabpriree in her article “The Royal Coast Tourism: Area Potential and Integrated Management for Sustainable Tourism Development”.

We also want to thank all those contributors who entrusted us with their articles for this Journal of Perspectives on Development Policy in the Greater Mekong. We believe that this volume adds significantly to the literature on various perspectives of development policy dealing with economic, social, culture, environment, science and technology in the Greater Mekong Subregion, ASEAN and the Asia-Pacific region.

*Makha Khittasangka, Ph.D.*