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<tr>
<th>Program</th>
<th>ULS/College/Unit</th>
<th>Name</th>
<th>Designation</th>
<th>Start Date</th>
<th>End Date</th>
<th>Program Title</th>
<th>Total Budget</th>
<th>Publications</th>
<th>No. of Mentored / Graduated Students</th>
<th>Other Outputs</th>
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<tbody>
<tr>
<td>EIDR 1</td>
<td>CHS</td>
<td>Yap, Martha Helena</td>
<td>Professor 2</td>
<td>August</td>
<td>2015</td>
<td>August-December (extension) Local-ecological resilience: Different spatial and temporal scales (Emphasis on the coast)</td>
<td>9,100,952.10</td>
<td>Wagner A, Yap DLT, Yap HT. 2015. Drivers and consequences of land use patterns in a developing country rural community. Agriculture, Ecosystems and Environment 214, 76-85.</td>
<td>1</td>
<td>Published as of July 13, 2018</td>
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<td>EIDR 1</td>
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<td>Rola, Agnes</td>
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<td>August</td>
<td>2015</td>
<td>August-December (extension) HULLUBATON: Putting together</td>
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<td>Olivares, J, Bantang, J, Yap, HT. 2017. Enhancing rural livelihoods through equipment assets for agro-ecosystems to allocate pressure on resources. Agriculture, Ecosystems and Environment 238, 96-104.</td>
<td>1</td>
<td>Submitted to &quot;Conservation Biology&quot;: Publish plans for a rural area.</td>
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<tr>
<td>EIDR 1</td>
<td>MAN CAS DPSM</td>
<td>Billones, June</td>
<td>Professor 1</td>
<td>General public, medical/health practitioners, researchers</td>
<td>2012</td>
<td>September 1</td>
<td>2016</td>
<td>August</td>
<td>August (extension)</td>
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<td></td>
<td>Computer-aided discovery of compounds for the treatment of tuberculosis in the Philippines</td>
<td>2013</td>
<td>18,231,750.00</td>
<td>Billones JB, Carrillo MCO, Organo VG, Macalino SJY, Emnacen IA, Sy JBA. 2013. Virtual screening against Mycobacterium tuberculosis: 7,8-Diaminopelargonic Acid Synthase (Mtb BioA) and in silico ADMET Evaluation of Top Hits. Oriental Journal of Chemistry 29, 1457-1468.</td>
<td>Research collaborations with Sophia University, Japan; Chulalongkorn University, Thailand; National University of Singapore, Singapore; Rutgers University, USA</td>
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EIDR 1

Mijares, Armand Salvador
Associate Professor

Researchers, academe, indigenous communities

2012 September 1 - 2016 August 31

2016 February (extension)

28 Palaeoenvironmental and Biodiversity study of Mindoro Island: An archaeological science initiative

2,433,484.00


Tapang, Giovanni

Professor 3

2013 July 1 - 2015 June 30

2016 June (extension)

30 Versatile Instrument System for Science Education and Research – Sensors and Modules (VISSER:SM)

13,288,784.00


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<th>Year</th>
<th>Faculty/Staff</th>
<th>Field</th>
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<th>Objective</th>
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<th>Year</th>
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Bifurcations in laser networks
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General public,
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Cuevas A, Clarete RL. 2015. Effect of transaction costs
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April
Scientist I (SCS)
1
Associate
March
Patent application for Mykorich
2015
Farmers,
2018
BAG
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May
Associate
May
2016
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EIDR 3
EIDR 3
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CS
DIL
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Dept. of
CEM
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Computer Science
Mathematics and
Dept. of
CS
Systems Cluster
Agricultural
Saloma, Cynthia
Aggangan, Nelly
Cuevas, Agham
Collera, Juancho
Garcia, Jose Nestor
Raro, RI. Utilization of gabing San Fernando corms (Xanthosoma Sagittifolium (L.) Schott & Melet) as partial energy source for growing-finishing pigs
Bulatao, MJ, Cruz, RM, Garcia, JNM, Villancio, VT, Limosinero, RL.

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Bifurcations in laser networks
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General public,
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Patent application for Mykorich
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Farmers,
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2016
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2016
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Bulatao, MJ, Cruz, RM, Garcia, JNM, Villancio, VT, Limosinero, RL.
<p>| EIDR 4 | Engr. CS | DIL | CS | IB | Rivera, Windell | Professor | 6 | General public, pharmaceutical companies, researchers | 2014 | October 1 | 2018 | October 31 | Recombinant protein expression and immunological characterization of de-antigenized human influenza H3 hemagglutinin | 16,846,864.00 | 2 | Plasmid expansion using E. col i NovaBlue strain Propagation of induced transformed Drosophila Q2 cells |
| EIDR 4 | Engr. CS | DIL | CS | IB | Conaco, Ma. Cecilia | Professor | 12 | Researchers, academe | 2014 | July 1 | 2016 | June 30 (extension) | 50 | Revising the molecular mechanisms underlying the stress response and interspecies interactions of the soft coral Heliopora coerulea | 5,225,670.00 | 1 | Developed an assembly of the H. coerulea reference transcriptome, comparative gene complement and gene history analysis, differential gene expression analysis, description of the blue coral growth response under different controlled temperatures and a year-long monitoring of in situ growth of H. coerulea colonies in Bolinao, Pangasinan |
| EIDR 5 | M.Eng. Dept. of Civil Engineering | EIDR 5 | BAG | CSS | Pajarito, Bryan | Associate Professor | 6 | Researchers, materials industry | 2014 | July 1 | 2016 | August 31 | Effects of shaped fiber reinforcement on the diffusion behavior of liquids in polymer composites | 2,893,000.00 | 5 | Developed a catalogue of Cordillera textiles (currently housed at the Museo Kordilyera) in UP Baguio |
| EIDR 5 | M.Eng. Institute of Chemistry | EIDR 5 | BAG | CSS | Fernando, Lilia | University Researcher | 2 | General public, food producers, government agencies, researchers | 2014 | November 1 | 2016 | October 31 | Development of a nanoparticle-based biosensor for the rapid detection of Escherichia coli O157:H7 Strain Sakai | 2,499,800.00 | 4 | Submitted a manuscript to KIMIKA for review. |
| EIDR 5 | M.Eng. Institute of Mathematics | EIDR 5 | BAG | CSS | Torio, Mary Ann | Associate Professor | 4 | Researchers | 2016 | July 10 | 2018 | July 7 | Mathematical analysis of climate-based malaria transmission model with age-structured population | 10,000,000.00 | 3 | Submitted a manuscript to KIMIKA for review. |
| EIDR 5 | M.Eng. Institute of Mathematics | EIDR 5 | BAG | CSS | Lemence, Richard | Associate Professor | 5 | Academe, researchers | 2016 | June 1 | 2017 | June 30 (extension) | Artificial constructions of phylogenetic trees and networks of languages in the greater central Philippines by a feature-sensitive metric | 8,875,000.00 | 6 | Developed a catalogue of Cordillera textiles (currently housed at the Museo Kordilyera) in UP Baguio |
| EIDR 5 | MG C. Soc. Anthropology | EIDR 5 | BAG | CSS | Salvador-Amores, Analyn | Associate Professor | 5 | Researchers, academe, indigenous communities | 2016 | April 1 | 2018 | April 7 | Anthropological, mathematical symmetry and technical characterization of Cordillera textiles | 5,227,000.00 | 2 | Developed a catalogue of Cordillera textiles (currently housed at the Museo Kordilyera) in UP Baguio |
| EIDR 5 | MG C. Soc. Anthropology | EIDR 5 | BAG | CSS | Addawe, Joel | Associate Professor | 6 | Researchers, academe | 2015 | July 15 | 2017 | July 14 | Mathematical analysis of climate-based malaria transmission model with age-structured human population | 1,008,280.00 | 2 | Presented in International and National conferences |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| EIDR 5 | NS 16 | Department of Computer Science | Tambalo, Richard | University Researcher I | Fuel industry, researchers | 2014 | November 1 | 2016 | October 31 | Overexpression, purification and characterization of a recombinant thermo-stable endoglucanase for effective hydrolysis of lignocellulosic materials | | | |
| EIDR 5 | NS 17 | Institute of Plant Breeding | Garcia, Roberta | Associate Professor 7 | Farmers, researchers, industry | 2015 | April 1 | 2019 | March 31 | Development of scale-up production methodologies for recombinant enzymes towards commercialization | 9,358,900.00 | 1 |
| EIDR 6 | NS 18 | Dept. of English and Comparative Literature | Ick, Judy Celine | Professor 8 | Academics, students | 2016 | March 8 | 2018 | March 7 | Philippine performance archive: Ritual, Dance, Theatre | 19,715,132.00 | 1 |
| EIDR 6 | NS 19 | Dept. of English and Comparative Literature | Tiatco, SAP | Professor | Academics, students | 2016 | March 8 | 2018 | March 7 | Philippine performance archive: Ritual, Dance, Theatre | 19,715,132.00 | 1 |
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| | | | | | | | | | | | | |</p>
<table>
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<tr>
<th>Date</th>
<th>Title</th>
<th>Authors</th>
<th>Funding</th>
<th>Amount</th>
<th>Expenditure</th>
<th>Notes</th>
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<td>2015-11-26</td>
<td>Molecular and culture-based characterization of bacterial community</td>
<td>Javier Jr, Viray, Lantican</td>
<td></td>
<td>7,670,016.00</td>
<td>2,870,005.00</td>
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<td>2016-03-21</td>
<td>Creating cost-effective sensors and devices to understand climate</td>
<td>Elmer Estacio</td>
<td></td>
<td>15,102,773.08</td>
<td></td>
<td>Submitted manuscript</td>
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<td>2016-11-25</td>
<td>High resolution modeling of CO2 in Metro Manila</td>
<td>Pubins R, Ozawa S, Mag-usara V, Azuma S,</td>
<td></td>
<td>9,930,328.00</td>
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<td>Submitted manuscript</td>
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<tr>
<td>2017-11-25</td>
<td>Mentoring of graduate students from UP NIGS and UPLB SESAM</td>
<td>Ma. Victoria Espaldon</td>
<td></td>
<td>7,473,016.00</td>
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**Notes:**
- Collection of bacteria which can produce enzymes and/or bioactive compounds of industrial importance.
- Experimental protocol on non-generation sequencing of metagenomic 16S rDNA for bacterial community profiling.
- Experimental protocol on metaproteomic analyses of bacterial communities. Bioinformatic analyses pipeline for next-generation sequence and metagromic data.
- Laboratory scale optimization and production, and downstream processing protocols for enzymes and/or bioactive compounds.
- High resolution modeling of CO2 in Metro Manila submitted to Air Pollution Research.
- "117-Year climatology of Manila, Philippines" submitted to Urban Climate.
<table>
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<tr>
<th>Project Code</th>
<th>Agency</th>
<th>PI</th>
<th>Role</th>
<th>Co-PI</th>
<th>Team Composition</th>
<th>Duration: Start to End</th>
<th>Funding Amount</th>
<th>Publications</th>
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<td>EIDR 6</td>
<td>CS RE</td>
<td>Mena, Miguela</td>
<td>Professor 3</td>
<td></td>
<td>General public; health/medical practitioners, academe</td>
<td>October 1, 2016 to January 31, 2018</td>
<td>5,456,000.00</td>
<td>Presentations in international conferences</td>
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<tr>
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<td>CS RE</td>
<td>Bantayan, Nathaniel</td>
<td>Professor 7</td>
<td></td>
<td>LGUs, national agencies, academe, researchers</td>
<td>January 7, 2016 to January 6, 2018</td>
<td>9,909,703.00</td>
<td>Conducted tree inventory and detailed topographic mapping; Conducted the Forest Canopy Genomics Workshop; Presentations in international conferences</td>
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<tr>
<td></td>
<td>CS RE</td>
<td>Garcia, Reynaldo</td>
<td>Professor 8</td>
<td></td>
<td>General public; health/medical practitioners, academe, researchers</td>
<td>November 25, 2015 to November 26, 2017</td>
<td>9,207,623.00</td>
<td>Presentations in international and local conferences</td>
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<td></td>
<td>CS C</td>
<td>Mena, Miguela</td>
<td>Professor 3</td>
<td></td>
<td>General public; health/medical practitioners, academe</td>
<td>January 1, 2016 to January 31, 2018</td>
<td>5,456,000.00</td>
<td>Presentations in international conferences</td>
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<td>CS C</td>
<td>Opulencia, Rina</td>
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<td>September 15, 2017 to September 14, 2019</td>
<td>4,639,840.00</td>
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<td>Professor 12</td>
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<td>October 1, 2015 to October 30, 2017</td>
<td>10,075,688.00</td>
<td>MOA with National Archives of the Philippines (NAP)</td>
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<td>CS CS</td>
<td>Flores, Floirendo</td>
<td>Associate Professor 2</td>
<td></td>
<td>General public, health practitioners, food processing industry, fruit industry, academe, researchers</td>
<td>February 1, 2016 to January 31, 2018</td>
<td>3,374,136.00 *3,148,624.00</td>
<td>Presented in international and local conferences</td>
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<td>Professor 8</td>
<td></td>
<td>General public; health/medical practitioners, academe, researchers</td>
<td>November 25, 2015 to November 26, 2017</td>
<td>5,207,432.00 +71,081,925.17</td>
<td>Presented in international and local conferences</td>
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<td>CS ML</td>
<td>Mena, Miguela</td>
<td>Professor 3</td>
<td></td>
<td>General public; health/medical practitioners, academe</td>
<td>February 1, 2016 to January 31, 2018</td>
<td>5,456,000.00</td>
<td>Presentations in international conferences</td>
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<tr>
<td></td>
<td>CS ML</td>
<td>Bantayan, Nathaniel</td>
<td>Professor 7</td>
<td></td>
<td>LGUs, national agencies, academe</td>
<td>January 7, 2016 to January 6, 2018</td>
<td>9,909,703.00 *10,892,983.00</td>
<td>Presented in international conferences</td>
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<td>CS NB</td>
<td>Garcia, Reynaldo</td>
<td>Professor 8</td>
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<td>General public; health/medical practitioners, academe, researchers</td>
<td>November 25, 2015 to November 26, 2017</td>
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<td>Presentations in international and local conferences</td>
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<td>CS NB</td>
<td>Garcia, Reynaldo</td>
<td>Professor 8</td>
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<td>General public; health/medical practitioners, academe, researchers</td>
<td>November 25, 2015 to November 26, 2017</td>
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<td>Presentations in international and local conferences</td>
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<td>CS NB</td>
<td>Garcia, Reynaldo</td>
<td>Professor 8</td>
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<td>General public; health/medical practitioners, academe, researchers</td>
<td>November 25, 2015 to November 26, 2017</td>
<td>9,207,623.00</td>
<td>Presentations in international and local conferences</td>
</tr>
</tbody>
</table>
| EIDR 6 | UPI 6 | Institute of Chemistry | Ledger, Hiyas | Assistant Professor | Researchers, academy | 2015 November 20 | 2017 November 20 | Towards a molecular level understanding of essential oil-protein interactions and their applications as insect biocontrol agents | 5,891,712.00 | *10,159,000.00 | ```
| EIDR 6 | UPI 6 | Institute of Chemistry | Hernandez, Christine | Associate Professor | Researchers, academy | 2015 October 27 | 2017 October 26 | Development of bioactive peptides from Philippine biodiversity | 7,499,946.00 | *7,793,007.00 | ```
| EIDR 6 | UPI 6 | Institute of Biology | Ong, Perry | Professor 11 | Researchers, national agencies, academy | 2015 December 18 | 2017 December 17 | From genes to ecosystems: understanding fruit bat species and genetic diversity and its ecological interactions with plants in tropical lowland forests, Palawan, Southern Philippines | 10,351,180.00 | *13,496,462.20 | ```
| EIDR 6 | UPI 6 | Institute of Chemistry | Lamorena-Lim, Rheo | Associate Professor 3 | Students, Academe | 2015 November 25 2018 November 24 | 2017 November 24 (extension) | Crowdsourced sensing for student engagement in Science Education (CrowdSSENSE) | 7,723,672.00 | | ```
Fabrication of sensing kits from identified parts and generated design

Paper has been accepted in the conference proceedings, CCECP 2018 Conference Proceedings: (Print ISSN: 2301-3761, E-periodical: 2301-377X) at http://chemistry-conf.org/accepted-papers/```
| EIDR 6 | UPI 6 | Asian Center | Raquiza, Antoinette | Associate Professor 3 | Policy makers, LGUs, national agencies, academy, NGOs, general public | 2015 December 1 | 2018 November 2 | Bugkos: Putting equitable development at the center of the Asian Century | 5,449,780.00 | | ```
Public forum on comparative politics and economic development between the Philippines and Thailand```
| EIDR 6 | UPI 6 | Institute of Chemistry | Yago, Allan Christopher | Assistant Professor 5 | Researchers, academy | 2015 November 9 | 2017 November 8 | TiO2 based nanomaterials and nanocomposites as photocatalysts for the removal and sensing of synergistic organic pollutants | 13,082,004.00 | *2,534,004.00 | ```
Mentoring of 1 MS student

National Conference
International Conference with Peer-reviewed Proceedings
International Conference with Peer-reviewed Proceedings
<table>
<thead>
<tr>
<th>EIDR</th>
<th>Date</th>
<th>Title</th>
<th>Authors</th>
<th>Funding</th>
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<td>1.05</td>
<td>CEngg Dept. of Computer Science</td>
<td>Yap, Jan Michael</td>
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*EIDR* 6.05: Department of Computer Science

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*EIDR* 6.05: Mathematics

*EIDR* 6.05: Materials Science

*EIDR* 6.05: Electrical Engineering
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<td>Buenconsejo, Jose</td>
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<td>Staged &quot;Dawat ng Bayan&quot; and &quot;Purti Anak&quot; at the Cultural Center of the Philippines</td>
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<td>Two monographs (Saysay Himig &amp; Philippine Modernities: 1880-1945) have been accepted for publication by the UP Press</td>
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<td>2. Myth and Creative Imagination (Jose Neil Garcia)</td>
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<td>3. Creative Writing in the Digital Age (Jose Wendell Capili)</td>
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<td>5. Manuel Conde: Defining Cinema for the Filipino (Nicanor Tiongson)</td>
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<td>6. Film Literacy and Criticism (Roland Tolentino)</td>
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<td>7. Philippine Arts and Culture in the Socio-Historical Context of Nation, Region, and Globalization (Reuben Calleja)</td>
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<td>8. What is Filipino Design, or Is There One at All? (Leonardo Rosete)</td>
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<td>9. Philippine Arts and Culture/Women in the Arts (Brenda Fajardo)</td>
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<td>10. Learning with Puppets: Educating through Theater (Amihan Ramolete)</td>
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<td>11. Ecocriticism: Framing Disaster: Position and Tropes (Flaudette Datuin)</td>
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<td>12. Rizal Monuments and the Filipino Diaspora (Roberto Paulino)</td>
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<td>13. Sosyolohiya at Sining: Sa Diwa ng Kuwentong Bayan (Clemen Aquino)</td>
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<td>14. Cultural Performances in the Philippines (Anril Tiatco)</td>
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1. Laban at Makapaghahoy: Laban ng Wikang Pilipino sa Kabanata (Hernando Garcia)
2. Siyentipiko at Kultura (Raul Gavino)
3. Siyentipiko at Kultura at Lipunan (Luis del Castillo)
4. Siyentipiko at Kultura (Rafael Mariano)
5. Siyentipiko at Kultura (Juan Carlos Cagnolatti)

Math, Culture, and Society
1. Origami and Mathematics (Marie Fe Soong)
2. Mathematics as a Language, a Tool, and a Way of Seeing (Karlene Neri)
3. The Cardinality of Infinite Sets (Marlene Robles)
4. Hairy Balls and Donuts: Welcome to the Fascinating World of Geometry (Janice Macaraig)
5. The Math Behind Arts and Humanities (Abel Davis, Gary Deishek)

Critical Perspectives in Communication
1. Critical Communication Perspectives (Alexander Mendiola)
2. Philippine Critical Studies of Discourse (Kwasi Agban)
3. The Political Economy of the Media: A Critical Perspective (Luis Teodoro)
4. Killing the Messenger (Georgina Encanto)
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<td>Self and Society</td>
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<td>Self and Society: Introducing Key Concepts (Josephine Dionisio)</td>
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<td>Kasaysayan ng Pilipinas</td>
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<td>Moral Responsibility in a Changing World (Ciriaco Sayson Jr., Peter Sy)</td>
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<td>Science, Technology and Society</td>
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<td>Strengthening Philippine Corn Germplasm Through Grain Quality Enhancement (Tonette Laude)</td>
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<td>Forensic DNA Technology: A Powerful Tool for Judicial Reform (Corazon de Ungria)</td>
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<td>General Antonio Luna: His Doctoral Thesis and the Emerging International Research Program on Malaria (Benjamin Vallejo)</td>
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<td>Knowledge Festival</td>
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<td>Health Emergency Planning for Yolanda-Affected LGUs: A Multidisciplinary Approach (Philip Ian Padilla)</td>
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<td>Promoting Rice and White Corn Combination as Food Staple for Filipinos (Artemio Salazar)</td>
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<td>Project SAMK (Smart Approaches in Reengineering Agriculture as an Industry in the Philippines (Ms. Victoria O. Espaldon)</td>
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<td>Versatile Instrument System for Science Education and Research: Sensors and Modules (VSSER-MD) (Giovanni A. Tapang)</td>
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<td>Towards Good Water Governance for Development: A Multi-Case Analysis (Agnes Ros)</td>
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<td>Radix 2: Integrating Medical Devices in the National Telehealth Service Program - Project 2 - Field Deployment of Telemedicine Devices (Pamela Grace Marcelo)</td>
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<td>Our Innovative &quot;Lab-in-a-Mug&quot; Technology (Paul Destura)</td>
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<td>Why the Arts Should Matter (Butch Dalisay Jr.)</td>
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<td>UP BGC as Knowledge Center (Amel Giracano)</td>
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<td>The Mind Museum (Mario Nical Garcia)</td>
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UP and Ateneo Professors to discuss Science Fiction in Second Interdisciplinary Book Forum on April 21

Glimpses: One Writer’s Journey: A Lecture and Reading by Luis R. Francia

Kritika Kultura Lecture Series presents Antonius Herujiyanto

15 Fellows to the 15th Ateneo National Writers Workshop Named

Forum Kritika on Food Transformations: Eating and Wasting in the Anthropocene

UP Rep’s GODOT recreates chilling visit to a mental asylum

NCCA: Filipino Komiks Live with Danso & Dyesebel

NCCA: NCCA Statement on the Supreme Court Decision on the Torre de Manila Case

NCCA: Pilipino Komiks Live with Danso & Dyesebel

RAPPLER: Interview with Virgilio Almario, National Artist for Literature

RAPPLER: Interview with F. Sionil Jose, National Artist for Literature

RAPPLER: Interview with Cirilo Bautista, National Artist for Literature

RAPPLER: Interview with Edith Tiempo, National Artist for Literature

RAPPLER: Interview with Bienvenido Lumbera, National Artist for Literature

Rang-a-rang sa Aklatang Tao Dagdag sa Salita

Rang-a-rang sa Aklatang Tao Dagdag sa Salita

Poetry in the City of Science

Ateneo Institute of Literary Arts and Practices

Edilberto and Edith Tiempo Creative Writing Center

UST Center for Creative Writing and Literary Studies

Bienvenido N. Santos Creative Writing Center

LIRAhan: Paghahanda ng From the Eyes of a Healer

Call for contributions to “From the Eyes of a Healer 2”

Tulay sa Lusaran sa Mayo 19

Panawagan para sa kontribusyon sa Lulubad-Sanaysay

14th Lamiraw Workshop announces 12 workshop fellows

UP ICM Call for Submission to Updated Filipino Writers Database Extended to June 30

67th Carlos Palanca Memorial Awards issues call for entries; Novel and Nobela categories, open this year
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<td>Dr. Elena Pernia, UP</td>
<td>Communicating science and technology research and development at the University of the Philippines</td>
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<td>Promoting sustainable tourism in the Visayas</td>
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<td>Zinc-air battery: Oxygen electrocatalyst research and prototype design and development</td>
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<td>Development of in Vivo and in Vitro Models for the Study of Endometriosis in the Philippines</td>
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<td>Structural and Prebiotic Studies of Galacto- and Hetero-oligosaccharides formed by Lactobacillus Delbrueckii Subsp. Bulgaricus DSM 20081 Bgalactosidase</td>
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<td>Polydopamine nanocoatings and nanoparticles research for the target beneficial applications</td>
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<td>How safe are our roads? The components of post-crash response, safe roads and safe vehicles in road management, road safety rules, and road legislations and management in making our roads safer</td>
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* Budget from DOST