**URO Annual Report**

The University Research Office (URO) highlights of accomplishments for 2017 involves the creation of the Food Innovation Center, University Statistical Research Center, also, researches on Solar-Powered Generator passed the pilot testing of DOST as it produced enough power to run common household appliances simultaneously. The successful International Research Conference held at the Princesa Garden Resort, Palawan on December 18-20 was also one of the major achievement of the University Research Office.

With respect of its core function which is to oversee the conduct of research activities as to consolidate, coordinate and operationalize research activities, the URO was able to obtain 34 completed researches; 14 published researches internationally, 7 published researches in CHED accredited journals; and 6 externally funded researches. Moreover, 22 researches were presented 26 international. In addition, the Office conducted 2 In-House Reviews for Completed Researches and 5 Capability Building Seminars.

**Completed Researches**

The table below shows the distribution of the completed researches in 2017 as to Information Dissemination - 22 researches; Social Sciences, (SOCSCI) - 9 researches and Technology Generated – 3 researches:

|  |  |
| --- | --- |
| **Name of Faculty** | **Title** |
| Henry D. Rufino, Rhene G. Payabyab  Grace T. Lim | Competency Requirements for Professional Accountants: Basis for Accounting Curriculum Enhancement |
| Ninez B. Tulo, Nancy L. Mati | Neuroelt Strategies and TBLT for College Integrated Language Skills |
| Criselda Alamo-Tonelada, Ferdinand Y. Silaran, Maria Cristina A. Bildan | Sanitary Conditions of Food Vending Sites and Food Handling Practices of Street FoodVendors along the Peripheral Area of Tarlac State University, Main Campus:  Implication for Food Hygiene and Safety |
| Ma. June S. Carlos, Edwin T. Caoleng &  Alfred V. Rigor | Evaluation of the Disaster Risk Reduction and Management Offices of Local Government Units in the Province of Tarlac |
| Niño B. Corpuz, Sheila Marie O. David, Jeanette P. Mendoza, Jayson Y. Punzalan | Validation of the General and Professional Education Areas of the College of Education Retention Examinaton: Inputs to Assessment of Learning |
| Dr. Elizabeth A. Amurao, Renato T. Mercado, Jhonel C. Panlilio | Work Values of Young Professionals in the City of Tarlac |
| Limuel P. Pavico , Elvira B. Mercado, Fabian P. Seguira | Entrepreneurial Landscape of Tarlac City |
| Erwin P. Lacanlale | Research Writing- Related Problems of Selected Graduating Students in Tertiary Level |
| Elvira B. Mercado , Limuel P. Pavico , Jose T. Geaga | Utilization of Taro for Innovative Flavored Chips Product |
| Rowena C. Ramos, Remedios A. Tamina, Grace T. Lim | PERFORMANCE OF MULTI-PURPOSE COOPERATIVES  in the City of Tarlac |
| Sheila Marie O. David | Oral Corrective Feedback in a Tertiary L2 Classroom: a Metalinguistic Analysis |
| Jeanette P. Mendoza | Inter-Ethnolinguistic Group Stereotypes in the Tarlac State University |
| Erwin Lacanlale | Teaching and Age-Related Problems of Senior Faculty Members in Higher Educational Institutions in Tarlac |
| Rita Pulmano  Suzanne Cruz  Michelle Rivera | Status of Offenders in Tarlac Provincial Jail |
| Cynthia G. Quiambao, Alma M. Corpuz & Maria Agnes P. Ladia | Impact Evaluation of the Community Extension in Laungcupang, La Paz, Tarlac, Central Luzon, Philippines |
| Marie Paz H. Angeles & Geraldine Ann R. Lenon | An Assessment of the Intrapersonal and Interpersonal Skills of TSU Non-teaching Employees: Towards an Effective Wellness Program |
| Joseph M. Melegrito, Jeremy R. Canlas & Julieta M. Lagasca | The Entrepreneurs in Tarlac Province: An Analysis |
| Rita E. Pulmano, Suzanne P. Cruz, Jeah N. Melocotones & Alfred V. Rigor | An Assessment on the Functionality of VAW Desks in Tarlac Province |
| Lolita V. Sicat & Rodrigo M. Sicat | Indigenous Students’ School Engagement: Basis for Multi-Sectoral Intervention |
| Maan B. Florendo, Enalyn T. Domingo & Miriam S. Galvez | Load Forecasting Analysis for Tarlac Electric Incorporated |
| Angelo Garcia & Carlos P. Flores Jr. | An Integrated System for Red Cross: Donors’ Profiling |
| Julieta M. Lagasca & Felicitas Quilondrino | Acceptability of Horse Radish “Malunggay” Food Wrapper |
| Heidilyn V. Gamido & Marlon V. Gamido | Comparative Review of the Features of Automated Sotware Testing Tools |
| Brendalyn A. Manzano | Researcher and Non-researcher Teachers’ Evaluation of ELT Materials: Converging or Diverging |
| Raffy S. Aganon | Kahandaan ng mga Propesor sa Filipino sa Pagtuturo ng Bagong Pangkalahatang Edukasyon: Batayang Pag-aaral Tungo sa Pagpaplanong Pangwika ng mga SUC III |
| Marilou P. Agustin | Komprehensyon sa Pagbasa sa Filipino ng mga Mag-aaral sa Antas Tersarya |
| Marie Paz H. Angeles | The Teaching Efficacy of State Universities and Colleges Psychology Professors: Implication to the Teaching-Learning Process |
| Leo P. Piao | Computing and Interpreting Reliability Indices of an Electric Distribution Circuit |
| Wilmark J. Ramos | Organizational Change and Dimensions of Learning in Manufacturing Firms |
| Jayson Y. Punzalan & Cynthia G. Quiambao | Development and Validation of Infographics Based on the Least Mastered Competencies in Physics |
| Cecilia L. Calub, Rosalina Garcia, Leodivina P. Tagama, Ma. Shinette P. Morales & Francelle L. Calub | Listening Comprehension Difficulties of College Students: Basis for Remediation Strategies in the Classroom |
| Nelvin Nool & Maria Agnes P. Ladia | Performance in the Licensure Examination of Teacher Education Institutions in Central Luzon |
| Nelvin Nool, Maria Agnes P. Ladia, Niño B. Corpuz & Socrates A. Embesan | Exploring the Validity of TSU College Admission Test in Predicting Graduates LET Performance |
| Ma. Susan Z. Maglaqui | Implementation of DOTS in Rural Health Units of Tarlac City: An Assessment |

**Published Researches**

The table below shows the list of 21 internationally-published researches

|  |  |  |
| --- | --- | --- |
| **Journal Title** | **Project/Study Title** | **Author(s)** |
|  |
| Conference of the International Journal of Arts & Sciences | Antibacterial Activity of Some Medicinal Plants Using Paper Disk Marine Bioluminescent Bacteria | Louella Ona |
| The International Medical Journal of Malaysia | Ethno botanical Survey of Plants Commonly Used for Diabetes | Erwin Mina |
| Upland Farm Journal -Ifugao State University | Classroom Learning Environment at Tarlac State University College of Education | Norbina Genever M. Castro |
| Upland Farm Journal -Ifugao State University | State of the Art of Technical Education and Skills (TESDA)Programs of State Universities and Colleges in Region 3 | Felicitas A. Quilondrino |
| Upland Farm Journal -Ifugao State University | The Extension Program of the Teacher Education Institutions Among State Universities in Region 3: An Evaluation | Ma. Theresa Acosta |
| Upland Farm Journal -Ifugao State University | Effect of inorganic Nitrogen and Liquid Fertilizer with Micronutrient Suppliments with Rice Straw on the Growth and Yield of Oyster Mushroom (*Pleurotus sp.*) | Rodel T. Botio, Dr. Ma. Socorro D. Valdez, Prof. Antonio C. Rosel, Prof. Estrella B. Pagco |
| Upland Farm Journal -Ifugao State University | The Effect of Remediation on the Performance in Retention Examination of Underachieving Prospective Secondary Teachers | Maria Agnes P. Ladia, Elizabeth P. Balanquit, Socrates A. Embessan, Yyette S. Legaspi |
| Upland Farm Journal -Ifugao State University | Development of an Energy-Efficient Cook Stove | Enalyn T. Domingo, Miriam S. Galvez, Crispin I. Flora |
| Upland Farm Journal -Ifugao State University | Development and Validation of Gabay Sourcebook | Niño B. Corpuz, EdD, RGC |
| Upland Farm Journal -Ifugao State University | Predicting Student Performance Using Data Mining Methods | Jo Anne G. Cura |
| Upland Farm Journal -Ifugao State University | Cases of Violence Against Women: Towards a Proposed Plan of Action | Rita E. Pulmano and Murphy P. Mohammed |
| Upland Farm Journal -Ifugao State University | Performance of Students in College Retention Examination Vis-à-vis General Weighted Averages | Ma. Theresa A. Acosta, Alma M. Corpuz, Lourdes S. Briones |
| Upland Farm Journal -Ifugao State University | Business Permits and Licensing System (BPLS) in the Municipality of Paniqui: An Evaluation | Edwin T. Caoleng, Ma. June S. Carlos, Alfred Nonnatus V. Rigor |
| Upland Farm Journal -Ifugao State University | 2016 Citizens Satisfaction Index System Pilot Testing in the Municipality of Victoria | Edwin T. Caoleng, Ma. June S. Carlos, Alfred Nonnatus V. Rigor |
| Upland Farm Journal -Ifugao State University | Evaluation of the Local Disaster Risk Reduction and Management Offices of the Local Government Units in the Province of Tarlac | Edwin T. Caoleng, Ma. June S. Carlos, Alfred Nonnatus V. Rigor |
| Upland Farm Journal -Ifugao State University | Thinking Styles of BSED COED Students and Their Academic Performance | Leodivina P. Tagama |
| Upland Farm Journal -Ifugao State University | Classroom Learning Environment at Tarlac State University | Dr. Norbina Genever M. Castro |
| Upland Farm Journal -Ifugao State University | An Analysis on the Heforshe Campaign Speech of Emma Watson in Correcting Misconceptions on Feminism and Gender Equality Using Feminist Rhetorical Criticism and Speech Act Theory | Jazzel Llaneli E. Manalo |
| Upland Farm Journal -Ifugao State University | The Professional Competencies of College Teachers of Higher Education Institutions in Tarlac Province: An Analysis | Julieta M. Lagasca & Ma. Theresa A. Acosta |
| Upland Farm Journal -Ifugao State University | Cases of HIV/ AIDS in Tarlac Province, Central Luzon, Philippines from 1984 to 2016 and the Knowledge and Risky Behaviors of Various Gender Groups | Alma M. Corpuz, Lucila O. Sunga, Ph.D. , Rita E. Pulmano, Ed.D., Jeanette A. Lazatin , MD MPM |
| Upland Farm Journal -Ifugao State University | Short Circuit Analysis For Amacalan Distribution Circuit of TARELCO: Basis for an Intervention Program | Leo P. Piao |

**Presented Researches**

The table below shows the distribution of 22 presented researches in local, regional, national and international conferences.

|  |  |  |
| --- | --- | --- |
| Title of Research Paper | Presenter(s) | Type of Conference |
| Classroom Learning Environment at Tarlac State University College of Education | Norbina Genever M. Castro | ISERD-106th International Conference on Education and E-Learning |
| The Extension Program of the Teacher Education Institutions Among State Universities in Region 3: An Evaluation | Ma. Theresa A. Acosta | ISERD-106th International Conference on Education and E-Learning |
| Cases of HIV/AIDS in Tarlac Province, Central Luzon, Philippines from 1984-2016 and the Knowledge and Risk Behaviors of Various Gender Groups | Alma Corpuz | 1st Central Luzon Health Research Forum |
| Classroom Learning Environment at Tarlac State University College of Education | Norbina Genever M. Castro | International Research Conference  Puerto Princesa May 18-20, 2017 |
| State of the Art of Technical Education and Skills (TESDA)Programs of State Universities and Colleges in Region 3 | Felicitas A. Quilondrino | International Research Conference  Puerto Princesa May 18-20, 2017 |
| The Extension Program of the Teacher Education Institutions Among State Universities in Region 3: An Evaluation | Ma. Theresa Acosta | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Effect of inorganic Nitrogen and Liquid Fertilizer with Micronutrient Suppliments with Rice Straw on the Growth and Yield of Oyster Mushroom (*Pleurotus sp.*) | Rodel T. Botio, Dr. Ma. Socorro D. Valdez, Prof. Antonio C. Rosel, Prof. Estrella B. Pagco | International Research Conference  Puerto Princesa May 18-20, 2017 |
| The Effect of Remediation on the Performance in Retention Examination of Underachieving Prospective Secondary Teachers | Maria Agnes P. Ladia, Elizabeth P. Balanquit, Socrates A. Embessan, Yyette S. Legaspi | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Development of an Energy-Efficient Cook Stove | Enalyn T. Domingo, Miriam S. Galvez, Crispin I. Flora | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Development and Validation of Gabay Sourcebook | Niño B. Corpuz, EdD, RGC | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Predicting Student Performance Using Data Mining Methods | Jo Anne G. Cura | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Cases of Violence Against Women: Towards a Proposed Plan of Action | Rita E. Pulmano and Murphy P. Mohammed | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Performance of Students in College Retention Examination Vis-à-vis General Weighted Averages | Ma. Theresa A. Acosta, Alma M. Corpuz, Lourdes S. Briones | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Business Permits and Licensing System (BPLS) in the Municipality of Paniqui: An Evaluation | Edwin T. Caoleng, Ma. June S. Carlos, Alfred Nonnatus V. Rigor | International Research Conference  Puerto Princesa May 18-20, 2017 |
| 2016 Citizens Satisfaction Index System Pilot Testing in the Municipality of Victoria | Edwin T. Caoleng, Ma. June S. Carlos, Alfred Nonnatus V. Rigor | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Evaluation of the Local Disaster Risk Reduction and Management Offices of the Local Government Units in the Province of Tarlac | Edwin T. Caoleng, Ma. June S. Carlos, Alfred Nonnatus V. Rigor | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Thinking Styles of BSED COED Students and Their Academic Performance | Leodivina P. Tagama | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Classroom Learning Environment at Tarlac State University | Dr. Norbina Genever M. Castro | International Research Conference  Puerto Princesa May 18-20, 2017 |
| An Analysis on the Heforshe Campaign Speech of Emma Watson in Correcting Misconceptions on Feminism and Gender Equality Using Feminist Rhetorical Criticism and Speech Act Theory | Jazzel Llaneli E. Manalo | International Research Conference  Puerto Princesa May 18-20, 2017 |
| The Professional Competencies of College Teachers of Higher Education Institutions in Tarlac Province: An Analysis | Julieta M. Lagasca & Ma. Theresa A. Acosta | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Cases of HIV/ AIDS in Tarlac Province, Central Luzon, Philippines from 1984 to 2016 and the Knowledge and Risky Behaviors of Various Gender Groups | Alma M. Corpuz, Lucila O. Sunga, Ph.D. , Rita E. Pulmano, Ed.D., Jeanette A. Lazatin , MD MPM | International Research Conference  Puerto Princesa May 18-20, 2017 |
| Short Circuit Analysis For Amacalan Distribution Circuit of TARELCO: Basis for an Intervention Program | Leo P. Piao | International Research Conference  Puerto Princesa May 18-20, 2017 |

**Externally-Funded Researches**

Below is the table of researches conducted in the university that were funded by external agencies in 2017:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Faculty Researcher/s** | **Research Titles** | **Collaborating Schools, Institutions and Agencies** | **Amount of Grants** | **Year** |
| Prof. Rodel Botio | Development, Fabrication and Performance Evaluation of an Innovative Multi-Voltage, System Solar Power Generator | Department of Science & Technology-3 | 446,330.00 |  |
| Prof. Rodel Botio | Development, Fabrication and Performance Evaluation of an Integrated Solar Power Generator and Water/Irrigation Pump | Department of Agriculture Region III | 345, 130.000 |  |
| Prof. Rodel Botio | Fabrication and installation of integrated solar powered generator and multi-purpose drip irrigation pump for upland indigenous farmers of capas,tarlac | Department of Agriculture Region III | 446, 320.00 |  |
| Dr. Lea B. Milan | Application of Thermal Processing to Native Rice Cake Products for Adaption in Tarlac Province | Department of Science and Technology | 1,207,050 |  |
| Abegail F. Feliciano | Product Development of Calamansi and Sugarcane Products with Application of Spray Drying and Carbonation for Adaption in Tarlac Province | Department of Science and Technology | 1,940,900 |  |
| Prof. Leah T. Matias | Product Development of Sweet Potato Products with Application of Freeze Drying and Vacuum Frying for Adaption in Tarlac Province | Department of Science and Technology | 1,672,050 |  |

**Capacity Building**

Below is the table showing the seminars/trainings conducted by the University Research Office in 2016

|  |  |  |
| --- | --- | --- |
| **TITLE** | **DATE** | **NUMBER OF PARTICIPANTS** |
| Training on Anti-Plagiarism (Turnitin) Software | July 13, 2017 | 66 |
| Research writing and Formatting Seminar | February 8, 2017  February 9, 2017 | 72  72 |

**IN-HOUSE REVIEWS OF COMPLETED RESEARCHES**

The Midyear In-House review was held at the Training Room RED Building, TSU Lucinda Campus on June 23, 2017 and the upcoming Yearend In-House review of completed researches will be conducted on December 13, 2017 with 13 research entries as of December 1, 2017.

**2017 Mid-Year In-House Review of Completed Researches**

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**CAPABILITY BUILDING**

**Research writing and Formatting Seminar**

**(February 9-10, 2017)**





**Turnitin Software Training***July 13, 2017*







**OTHER ACTIVITIES**

**2nd International Research Conference**

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**Photos of Research Proposal Colloquim**

*COLLEGE OF ENGINEERING*



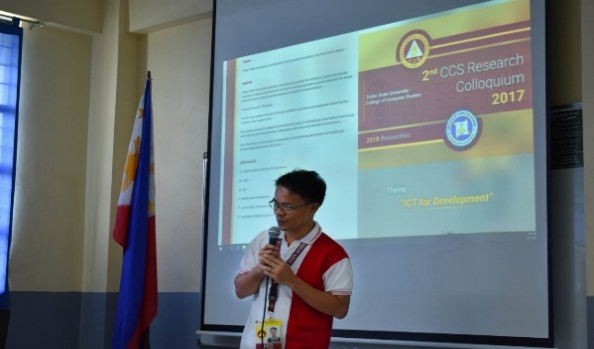


*COLLEGE OF SCIENCE*

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*COLLEGE OF COMPUTER STUDIES*

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*COLLEGE OF BUSINESS AND ACCUNTANCY*

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