



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 Food Vendors 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 Software 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 Supplements with Rice Straw on the Growth and Yield of Oyster Mushroom (<i>Pleurotus sp.</i>)	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, Yvette 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 Llanelli 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 (<i>Pleurotus sp.</i>)	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, Yvette 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 Llanelli 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

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

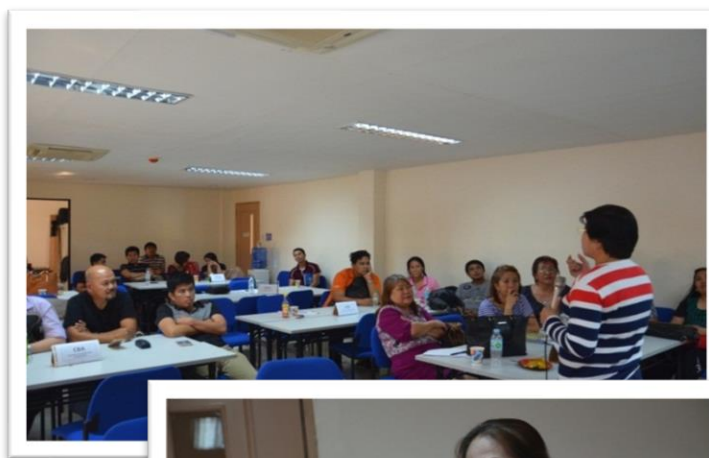
The Midyear In-House review was held at the Training Room RED Building, TSU Lucinda Campus on June 23, 2017 and the upcoming Yearend In-House review of completed researches will be conducted on December 13, 2017 with 13 research entries as of December 1, 2017.

2017 Mid-Year In-House Review of Completed Researches



CAPABILITY BUILDING

Research writing and Formatting Seminar (February 9-10, 2017)



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OTHER ACTIVITIES

2nd International Research Conference



COLLEGE OF ENGINEERING



COLLEGE OF SCIENCE



COLLEGE OF COMPUTER STUDIES



COLLEGE OF BUSINESS AND ACCUNTANCY

