



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

COMPLETED RESEARCH PROJECTS 2022

as of December 31, 2022

INSTITUTIONALLY-FUNDED

No.	Title of Institutionally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)						
1.	BatStateU: A Brand of Excellence Developing A Standard Identity System	Hernan A. Baluyut Joseph M. Melo Mar Lopez Renson A. Robles Vanessah V. Castillo	72,350.00	Batangas State University	August 2018 to August 2019	February 2022
2.	Program Title: Research Program to Innovate Social Sciences and Education for the Challenges of Industry 4.0 Project Component A. Status of Coffee Production in Lipa	Shelyn S. Extra Leoven A. Austria Nerrie Malaluan Madel Lumbea	33,500.00	Batangas State University	August 17, 2020 to July 16, 2021	March 2022
3.	Development of TPACK-Based Professional Development Framework for the New Normal in Teacher Education	Anania B. Aquino Aleli A. Dadayan Michael John V. Francisco Marvin E. Rosel	18,000.00	Batangas State University	August 17, 2021 to December 29, 2021	April 2022

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
4.	Development and Validation of Outcomes-Based Instructional Materials in Professional Education Courses: A Flexible Learning Set-Up	Marilou A. Romarate Anania B. Aquino Gliceria R. Quizon Estelito J. Punongbayan Leolanda A. Balilla Noraida P. Ramos	43,670.00	Batangas State University	August 17, 2021 to December 29, 2021	May 2022
5.	Transportation Research for Assessment of its Network, Safety, Policy and Optimization (TRANSPO) Program Project 1B: Social Analysis on Traffic Administration (SATA)	Project 1B: Leonida M. Falculan Marie Grace D. Alea Amiel Abacan	76,884.00	Batangas State University	August 17, 2020 to July 16, 2021	December 2022
6.	Transportation Research for Assessment of its Network, Safety, Policy and Optimization (TRANSPO) Program Project 3: Route Usability on Transportation Availability (RUTA)	Cristina Amor M. Rosales Ernesto C. Magundayao Vivian S. Guda	99,184.00	Batangas State University	August 17, 2020 to July 16, 2021	December 2022
INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)						
7.	Program Title: Valuing Effective Re-engineering Mechanism for Improved Productivity (VERMI)	Donnalyn C. Cabaces Michael A. Aloria Allan B. De Villa Rocel D. Gualberto	19,700.00	Batangas State University	August 16, 2021 to December 29, 2021	June 2022

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY
The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
	Project 2: Design of the Vermicast Handling and Cleaning System for Kahariam Farms in Lipa City					
8.	Program Title: TAAL (Taal Ashfall Analysis and Applications for Livelihood) Project 1. Removal of Methylene Blue Dye in Aqueous Solution Using Nanosilica Based Adsorbent from Volcanic Ash	Rhonalyn V. Maulion Elisa D. Gutierrez Rosenda A. Bronce Shirley G. Cabrera Anita P. Aquino Rejie C. Magnaye Eufronia M. Magundayao	300,000.00	Batangas State University	August 17, 2020 to July 16, 2021	June 2022
9.	Solar-Powered Mobile Irrigation System for Rice Paddy in Lobo, Batangas	Anton Louise P. de Ocampo Melmar Eje Ferdinand de los Reyes	298,500.00	Batangas State University	August 16, 2021 to July 30, 2022	August 2022
10.	Evaluation And Modification of a Waste Cooking Oil (WCO) Transesterification Biodiesel Reactor Through Integration of Auxiliary Components for Process Optimization	Reggie A. Dueñas Rejie C. Magnaye Neres Ann M. Repollo	100,000.00	Batangas State University	August 16, 2021 to May 30, 2022	August 2022
11.	Building Earthquake-Effect Assessment and Monitoring System (BEAMS)	Albertson D. Amante Antonio Gamboa Expedito V. Acorda Mirasol Dilay Rojay Flores	611,000.00	Batangas State University	August 2018 to July 2019	August 2022

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY
 The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
12.	CAMPUS Program: Comprehensive Assessment and Monitoring of Power and Other Utilities towards Sustainability Optimum Space Utilization for Facilities Sustainability at BatState-U Alangilan	Aile T. Amorado RM Jhiell Lhey Aguado Jerson A. Culla Angelo Paulo D. Atienza	27,500.00	Batangas State University	January 31, 2022 to June 30, 2022	October 2022
13.	BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs Infrastructure-Soil Interaction and Land-Usage Assessment for New Developments (ISLAND)	Cristina Amor M. Rosales Allen Paul Alcantara Erwin Rafael D. Cabral	1,690,480.00	Batangas State University	January 15, 2021 to January 14, 2022 Approved Extension: January 15, 2022 to July 14, 2022	October 2022
14.	BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs Building Earthquake-effect Assessment and Monitoring System (BEAMS)	John Carlo Agarri Mirasol Dilay Jeffrey S. Sarmiento	811,240.00	Batangas State University	January 15, 2021 to January 14, 2022 Approved Extension: January 15, 2022 to July 14, 2022	October 2022



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
15.	BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs VIRTUAL TOURS.PH- An online Virtual Relaiity Based Platform for Philippine Tourism Destination and Cultural Heritage Sites	John Richard Esguerra Poul Isaac De Chavez Jeffrey S. Sarmiento	1,401,490.00	Batangas State University	January 15, 2021 to January 14, 2022 Approved Extension: January 15, 2022 to July 14, 2022	December 2022
16.	BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs Design and development of iSTACK: Integrated and Systematic Technology for Agricultural E-Commercial Kart	Rowell M. Hernandez Ryndel V. Amorado Jefferson I. Cañada Lovely Rose T. Hernandez Jennifer B. Atienza	266,500.00	Batangas State University	January 15, 2021 to January 14, 2022 Approved Extension: January 15, 2022 to July 14, 2022	December 2022
17.	BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs HUGIS - Harmonized and Unified GIS for Industry Productivity	Janice F. Peralta Alvin Alon Romel U. Briones Antonette V. Chua Jen Aldwayne B. Delmo	584,400.00	Batangas State University	January 15, 2021 to January 14, 2022 Approved Extension: January 15, 2022 to July 14, 2022	December 2022

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)						
18.	Assessment of Sea Cucumber Farming, Reaching and Processing in Coastal Communities of Calatagan, Batangas: Basis for Scaling up its Aquafarming Sustainability Initiatives Project 1: Assessment of Traditional Post-Harvest Processing of Sea Cucumbers in Calatagan, Batangas	Maria Luisa A. Valdez Miguel Enrique Ma. A. Azcuna Jonel M. Corral	50,000.00	Batangas State University	August 17, 2020 to July 16, 2021 Deferred: February 2021 to December 2021 Approved Extension: January 1, 2022 to August 17, 2022	September 2022
HEALTH RESEARCH						
19.	Health Promotional Practices of Health Workers Assigned Among Badjao Communities in Batangas City	Maria Christina Bernadette C. Aguba Charmaine Rose I. Triviño Josefita S. Hernandez Rysheer P. Quaitchon	23,000.00	Batangas State University	August 2018 to February 2019	September 2022
20.	Assessment of Health and Nutrition of Senior Citizens in Selected Barangays in Batangas City	Maria Christina E. Bay Victoria M. Magpantay Chevelle V. Gaan Kristia Lei A. Reyes	28,000.00	Batangas State University	August 2018 to December 2018	September 2022
Sub-total			6,555,398.00			

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

COMPLETED RESEARCH PROJECTS 2022

as of December 31, 2022

EXTERNALLY-FUNDED

No.	Title of Externally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)						
21.	Local Economic Development and Competitiveness Index for Cities and Municipalities in the Philippines	Blancaflor Arada Myra A. Bersoto Philip D. Geneta Abigail C. Guico James Carlo M. Inandan Bryan M. Macasaet	150,000.00	Department of Trade and Industry - 4A Regional Office	July 2021 to October 2021	February 2022
22.	Citizen Satisfaction Index System (CSIS) Nasugbu	Irene H. Maralit Aquino M. de la Pena Joel B. Bacay Jennifer Atienza	250,000.00	Department of Interior and Local Government Regional Office IV-A	February 1, 2021 to December 31, 2021	April 2022
23.	Gender x Plastics in Selected Rural and Urban Communities in Batangas City	Jaika Almira R. Agena	89,659.00	World Wildlife Fund (WWF)	July 19, 2022 to August 31, 2022	September 2022

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY
 The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

No.	Title of Externally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)						
24.	Program Title: Newton Researcher Link Program Project Title: Developing Smart Environmental Resilience Solutions for Coastal areas in the Philippines: Susceptibility, Adaptation and Mitigation Measures: SEACAP	Tirso A. Ronquillo Albertson D. Amante Cristina Amor M. Rosales	1,943,997.50	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)	April 1, 2021 to September 30, 2021 Project Extension: October 1, 2021 to December 31, 2021	April 2022
25.	Backyard Tilapia Farming in Batangas in Response to the COVID-19 Pandemic	Miguel Enrique Ma. A. Azcuna Jonel M. Corral	1,500,000.00	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)	July 1, 2021 to June 30, 2022	September 2022
INDUSTRY, ENRGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)						
26.	Program Title: Support to the University’s Strategies in Technology Acceleration Initiatives by Nurturing (SUSTAIN) the Intellectual Property and Technology Business Management (IP-TBM) Offices of the Consortia Member Agencies (Phase II)	Leandro Dalhag Albertson D. Amante Ivy Fides R. Perez	1,570,890.70	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)	January 1, 2020 to December 31, 2021 Project Extension: January 1, 2022 to June 30, 2022	June 2022

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY
 The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

No.	Title of Externally-Funded Research Project (Completed)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
	<p>Project Title: Project 3. Sustaining CvSU's IP-TBM Office and Enhancing IP-TBM Offices among Member Agencies of the Southern Tagalog Agriculture and Resources Research and Development Consortium (STARRDEC)</p> <p>Project Component: Project 3D Enhancing Technology Transfer through IP-TBM in Batangas State University (BatSU)</p>					
27.	IMPACT: Supporting Potential and Relevant IP as Next Generation Business Opportunities towards Acceleration of Research and Development (SPRINGBOARD)	Albertson D. Amante Leandro Dalhag Ivy Fides R. Perez	3,493,785.00	Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST – PCIEERD)	January 4, 2021 to January 3, 2022 Project Extension: January 4, 2022 to July 3, 2022	June 2022
Sub-total			8,998,332.20			
TOTAL			15,553,730.20			



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

ONGOING RESEARCH PROJECTS 2022

as of December 31, 2022

INSTITUTIONALLY-FUNDED

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)				
1.	Development of Customized Needs Assessment and Profiling Tools for BatStateU Extension Service	Vaberlie Mandane-Garcia Benedict O. Medina Kristia Lei. M. Reyes Jaika Almira R. Agena	120,000.00	Batangas State University
2.	READ to SUCCEED: Implementing and Sustaining an Effective Reading Remediation Program	Rageene Vera D. Dueñas Genalyn P. Lualhati Richard M. Bañez	39,900.00	Batangas State University
3.	Academic-Research Writing Among Graduate Students of Batangas State University, Philippines	Romel M. Acheron Ronel M. Sapungan	50,000.00	Batangas State University
4.	Challenges Faced by the MSMEs in Rosario Batangas: Input to Policy Recommendations	Anna Liza H. Manalo Michael Q. Balanay Joan Camille A. Verdadero	25,000.00	Batangas State University
5.	Transportation Research for Assessment of its Network, Safety, Policy and Optimization (TRANSPO) Program Project IA: Social Analysis on Traffic Administration (SATA)	Project IA: Cristina Amor M. Rosales Albert M. Arcega	76,884.00	Batangas State University

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY
 The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
6.	Transportation Research for Assessment of its Network, Safety, Policy and Optimization (TRANSPO) Program Project 2: Economic Assessment of Transportation (EAT)	Gemar G. Perez Teodorica G. Ani Romer Castillo	74,788.00	Batangas State University
7.	Program Title: Research Program to Innovate Social Sciences and Education for the Challenges of Industry 4.0 Project Component D. Establishment of BatStateU Lobo Academic Laboratory vis-avis Agribusiness Hub: An Entrepreneurial Harvesting (Establishment of BatStateU Lobo-ALAH EH)	Gemar G. Perez Luzviminda Abacan Joanne Camille Verdadero April M.Perez Leonna Marrienne U. Asi Katherine T. Arellano Jennifer M. Perez Mary Grace T. Mandane Amor I. Ilagan Melmar Eje Albertson D. Amante Antonio A. Gamboa	66,658.00	Batangas State University



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
8.	Impact Assessment of Adopt-A-Barangay Program of Batangas State University	Maria Theresa A. Hernandez Armando V. Mendoza Jr. Nickie Boy A. Manalo Realiza M. Mame Alvin R. De Silva Vanessah V. Castillo Romeo Guillo Teodorica Ani Roldan Ragot Gemar Perez Dianne S. Cullar	370,000.00	Batangas State University
9.	Industrial Education Graduates' Program Learning Experience and their Competencies: From the University to the Market	Michelle M. Del Rosario Ma. Luz I. Sanchez Jean Karla M. Castillo	21,500.00	Batangas State University
10.	Floristic Composition in the Limestone Forest of the Monolith Ecotourism Site in Mt. Masalukot complex along Verde Island Passage, Philippines: Input for determination of carrying capacity	Ermak B. Abenir Herbert G. Bañados Jr. Mars G. Panganiban Romel U. Briones	175,200.00	Batangas State University
11.	DILIS-BAGA Project (Development of Indigenous fLavored anchovies with Innovative packaging design Study- BATangas Gourmet Anchovies Project)	Mayette A. Cananea Leila T. Bayot Erwin A. Caparas Minelyn P. Cochingco	450,000.00	Batangas State University



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
12.	Physicochemical Characterization and Fatty Acid Profiling of Coconut Milk Preparations using Different Coconut Varieties in CALABARZON Region	Anita Aquino Emelie A. Ona	480,000.00	Batangas State University
13.	Seaweed Beds as Transition Habitat for Coral Reef Fishes (SeaBaTH)	Jovy Ann Valera Najeen Arabelle Rula Jayvee A. Saco Romel U. Briones Miguel Enrique Ma. A. Azcuna	350,000.00	Batangas State University
14.	Biodiversity Mapping of Marine Protected Areas of Barangay Papaya, Nasugbu Batangas	Miguel Enrique Ma. A. Azcuna Inocencio Madriaga Jr. Jonel Corral	200,000.00	Batangas State University
15.	Assessment of Sea Cucumber Farming, Reaching and Processing in Coastal Communities of Calatagan, Batangas: Basis for Scaling up its Aquafarming Sustainability Initiatives Project 2: Optimization of Sea Cucumber Aquaculture and Post-harvest Processing Methods	Miguel Enrique Ma. A. Azcuna Jovy Ann Valera Jonel M. Corral	250,000.00	Batangas State University
16.	Program Title: FIC 4VIP Project Component B. Development and Acceptability of Multispecies Seaweed Chips	Mark Anthony C. Lat Marielli Katherine C. Untalan Juliana Kassandra P. Rodil Ma. Jesukristina M. Lumanglas	200,000.00	Batangas State University



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
17.	Program Title: FIC 4VIP Project Component D: Development of Sea Grapes (<i>Caulerpa lentillifera</i>) Juice	Juliana Kassandra P. Rodil Marielli Katherine C. Untalan Mark Anthony C. Lat Emelie A. Ona	200,000.00	Batangas State University
18.	Development of "Green" Pasta from Saba, Kangkong and Malunggay	Maylen G. Eroa Glenda de Mesa Nenita G. Hornilla	300,000.00	Batangas State University
19.	CAMPUS Program: Comprehensive Assessment and Monitoring of Power and Other Utilities towards Sustainability Reliability and Sustainability Assessment of Water Utilization at BatStateU Alangilan	John Kevin M. De Castro Lovely C. Añonuevo Vivian D. Guda Annamarie A. Bicol	375,000.00	Batangas State University
20.	CAMPUS Program: Comprehensive Assessment and Monitoring of Power and Other Utilities towards Sustainability Reliability and Sustainability of the Electrical Distribution System of BatStateU Alangilan	Reynato A. Gamboa Elenor M. Reyes Ricmart V. Garbin Marjorie G. Marcaida Jenica Ariane C. Panaligan	200,000.00	Batangas State University



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
21.	CAMPUS Program: Comprehensive Assessment and Monitoring of Power and Other Utilities towards Sustainability Effectiveness of an ICT Infrastructure Utilization in BatStateU-Alangilan for Sustainable Development	Gil B. Barte Jeffrey S. Sarmiento Jen Aldwayne B. Delmo Alex I. Magboo Renz Raniel Serrano	164,000.00	Batangas State University
22.	BATIS: BatStateU Alumni Tracer Information System with Geospatial Mapping and Data Analysis	Lorissa Joana E. Buenas Noelyn M. De Jesus Lorenjane E. Balan Inocencio C. Madriaga Jr.	100,000.00	Batangas State University
23.	Development of Accreditation Document Management System Utilizing Tagging and Analysis for Efficient File Organization and Sharing for BatStateU ARASOF-Nasugbu	Renz Mervin A. Salac Djoanna Marie V. Salac Benjie R. Samonte Albert S. Mercado	50,000.00	Batangas State University
24.	ACTApp: A Contact Tracing and Monitoring App with Exposure Notifications using Wi-fi and GPSs	Shiela Marie G. Garcia Joseph Rizalde Guillo Rosana C. Lat Lloyd Macatangay	223,000.00	Batangas State University
25.	Ai-Mech-3D-Printer: An AI-Engineered 3D Printing Optimization of Mechanically Strengthened Thermoplastic Materials	Reymark D. Maalihan Alvin S. Alon John Carlo V. Aggari Francis Jesmar P. Montalbo Roy B. Latayan	158,400.00	Batangas State University

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
26.	GIS-based Emergency Displaced persons monitoring System (GEDS)	Janice F. Peralta Mirasol C. Dilay Inocencio C. Madriaga Jr. Jefril M. Amboy	203,000.00	Batangas State University
27.	Development and Characterization of Volcanic Ash Chitosan Composite Ceramic Membrane for potential application in treatment of Swine biogas digester effluent	Rhonalyn V. Maulion Elisa D. Gutierrez Rejie C. Magnaye Sicily B. Tiu Reggie A. Dueñas	239,110.00	Batangas State University
28.	Program Title: Valuing Effective Re-engineering Mechanism for Improved Productivity (VERMI) Project 1: Characterization of Vermicomposting Product of Kahariam Farm: Input for Process Re-Engineering	John Kevin M. De Castro Manilyn V. Calapatia Julie Pearl F. Marasigan Roxanne R. Navarro	30,000.00	Batangas State University
29.	BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs Establishment of Higher Education Integrated Environmental Quality Monitoring System using Air Quality Sensors and Ambient Intelligence Platform (AMBIANCE)	Erwin Enriquez <i>Oliver S. Dimailig</i> Danica Marie B. Mercado Diosa Marie M. Aguila John Kristoffer Javarez	802,940.00	Batangas State University

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
30.	Program Title: TAAL (Taal Ashfall Analysis and Applications for Livelihood) Project 2. Process Optimization of the Utilization of Volcanic Ash in Concrete Mixture	Cristina Amor M. Rosales Ernesto Magundayao Oliver S. Dimailig	150,000.00	Batangas State University
31.	Development of a Low-Cost Briquetting System Utilizing Agri-waste Materials as a Renewable Energy Fuel	Donnalyn C. Cabaces Benedicto S. Noriega Allan B. de Villa Michael A. Aloria	300,000.00	Batangas State University
32.	Community-Based Monitoring and Mapping System: Tools for Disaster Management Planning and Data Consolidation	Jodi Belina A. Bejer Sherry Joy A. del Mundo Edcel E. Torralba	196,061.25	Batangas State University
33.	The MIND Project (Mental health Initiatives, Nurturance, and Development): A Mental Health State of Batangas State University	Albert M. Arcega Lucille D. Evangelista Dianne S. Cullar Myra A. Bersoto Marie Grace D. Alea Ar-Jay D. Perez	106,750.00	Batangas State University
34.	Program Title: Research Program to Innovate Social Sciences and Education for the Challenges of Industry 4.0 Project Component B. Health and Wellness Program of Batangas State University	Renalyn D. Malabanan Rosalie R. Rojas Karen C. Aclan Kier Karlo G. Dela Luna	59,900.00	Batangas State University

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Institutionally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
35.	Psycho-Emotional Effects of Distance Parenting of OFWs	Jocelyn Banaybanay Ruel Panday Jean Karla M. Castillo	18,800.00	Batangas State University
Sub-total			6,826,891.25	

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

ONGOING RESEARCH PROJECTS 2022
as of December 31, 2022

EXTERNALLY-FUNDED

No.	Title of Externally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)				
36.	Bringing Accessibility and Sustainable Inclusion of Civil Society Organization (BASIC) to Local Governance	Gemar G. Perez Irene H. Maralit Jennifer Buenviaje Atienza Katherine T. Arellano	200,000.00	Department of Interior and Local Government
37.	Local Economic Development and Competitiveness Index for Cities and Municipalities in Region 4A-CALABARZON (CMCI 2022)	Dyzel D. Asi Philip D. Geneta Abigail C. Guico James Carlo M. Inandan Bryan M. Macasaet	100,000.00	Department of Trade and Industry - 4A Regional Office
38.	Citizen Satisfaction Index System (CSIS) 2022 - Calaca, Batangas	Katherine T. Arellano Jennifer B. Atienza Irene H. Maralit Joel B. Bacay	250,000.00	Department of Interior and Local Government Regional Office IV-A
39.	Women in Water Research: Assess, Collaborate and Engage (Win H2O RACE)	Mark L. Sibag Lovely C. Añonuevo Debbie Anne P. Marcelino Ernesto C. Magundayao	(66,640.00 THB) Total Amount Received: Php 98,357.80	Asia-Pacific Economic Cooperation (APEC)

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Externally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)				
40.	DOST-CRADLE funding of BatStateU entitled: ATLANTIS: An IoT-Based Artificial Intelligence Aquaponic Control and Monitoring System for Aquaponics Greenhouse	Alvin S. Alon John Carlo V. Aggari Jonel R. Macalisang Francis Jesmar P. Montalbo	2,879,620.00	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)
41.	Biological and Ecological Studies on <i>Asparagopsis taxiformis</i> (BEAT) for culture technology development	Jayvee A.Saco	2,628,113.00	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)
42.	Understanding Physiological Vulnerability of <i>Ulva</i> spp.: Implication to Green Tide Blooms	Jayvee A.Saco Najeen Arabelle M. Rula	2,146,250.00	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)
43.	Enterprise Development and Organization of Professional Management Team (AMIA)	Rosenda A. Bronce Irene H. Maralit Teodorica G. Ani Aquino M. De la Pena Marielli Katherine C. Untalan Emelie A. Ona	1,000,000.00	Department of Agriculture Regional Field Office IV-A (DA RFO IV-A)

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

No.	Title of Externally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
44.	BARAKO: Batangas Actions towards Revitalization and Acceleration of Kapeng BarakO Industry	Romel U. Briones Mars G. Panganiban Anton Louise P. De Ocampo Study Members: Melmar Eje Herbert Bañados Jr. Myrna Garcia	8,316,326.90	Department of Agriculture - Bureau of Agricultural Research (DA-BAR)
45.	Marine Biodiversity Assessment in Verde Island Passage (MBioAssess-VIP)	Jayvee A. Saco Najeen Arabelle Rula Miguel Enrique Ma. A. Azcuna Jonel Corral Jovy Ann Valera	7,431,359.20	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)
INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)				
46.	Development And Evaluation of Wireless Power Transmission (WPT) For Mobile Phones	Dr. Froilan G. Destreza	749,375.00	Department of Science and Technology Regional Office No. 4A (CALABARZON)
47.	BoatBox: Cost-Effective Tracking and Distress Message Sending System for Local Small Fishing Vessels (SFV)	Froilan G. Destreza Romeo A. Concepcion, Jr. Melvinn B. Roxas Lorissa Joana E. Buenas Alfredo V. Atienza, Jr.	1,181,401.70	Department of Science and Technology Regional Office No. 4A (CALABARZON)



Republic of the Philippines
BATANGAS STATE UNIVERSITY
 The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Externally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
48.	Regional Agri-Aqua Innovation System Enhancement (RAISE) Program in Southern Tagalog Project 1E. Enhancing the Intellectual Property and Technology Business Management (IP-TBM) in Batangas State University	Leandro A. Dalhag Albertson D. Amante Ivy Fides R. Perez Luzviminda C. Rosales	1,601,030.00	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)
49.	Program Title: Higher Education Institution Readiness for Innovation and Technopreneurship - Regional Startup Enablers for Ecosystem Development (HEIRIT-ReSEED) Project Title: Innovation CONSortium of South Luzon (ICONS South Luzon)	Albertson D. Amante John Richard M. Esguerra	1,498,704.00	Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST – PCIEERD)
50.	Program Title: PCIEERD Young Innovators Program (YIP) Project Title: 3D Printed Waste Battery Rod Derived Exfoliated Graphite-Polymer Composites for Electronic Sensor Applications	Mentors: Reymark Maalihan Anton Louise P. De Ocampo Students: Jefferson A. Macalalad Seth F. Robiso John Marlou T. Opiña	713,297.00	Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST – PCIEERD)



Republic of the Philippines
BATANGAS STATE UNIVERSITY
 The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Externally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
51.	Strengthening Operation of Regional Inclusive Innovation Center (RIIC) in CALABARZON Project Component 1: Innovation for Business Recovery (Non-coffee Sector) Project Component 2: Innovation for Business Recovery (Coffee Sector)	John Richard M. Esguerra Albertson D. Amante Jecamarie V. Pasay Gemar Perez Michael Lagaya Jecamarie Pasay Leslie Calcetas Guianne Marielle Maralit John Richard Esguerra Marielli Katherine Untalan Princess Marie Melo Jayson Reyes Romeo Jousef Laxamana	1,434,515.20	Department of Science and Technology Regional Office No. 4A (CALABARZON)
52.	Design and Development of Collapsible and Movable Solar Power Station for Irrigation Systems	Anton Louise P. De Ocampo Melmar Eje	810,350.40	Department of Science and Technology Regional Office No. 4A (CALABARZON)
53.	A Shared Service Facility (SSF) Project of the Department of Trade and Industry	Marielli Katherine C. Untalan	<i>Actual value of equipment delivered: Php 2,730,000.00</i> <i>Assessed value of equipment: Php 4,000,000.00</i>	Department of Trade and Industry – Region IV A



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

No.	Title of Externally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
54.	Development of a Liner-Enhanced Curing Vessel for Salted Egg Production for Eggciting Traditions	Allan De Villa Rhonalyn Maulion Gerald Aguila Mary Rose F.Persincula	4,962,400.00	Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST – PCIEERD)
55.	Upgrading of BatStateUs UHT-HTST Facility: Input for Production of High-Quality Fruit Juices	Ma. Jesukristina M. Lumanglas Marielli Katherine C. Untalan	5,000,000.00	Department of Agriculture - Agricultural Competitiveness Enhancement Fund (DA-ACEF)
56.	Technology Improvement of the Production Facility of Food Innovation Center in Batangas State University	Marielli Katherine C. Untalan	169,450.00 <i>Assessed Value of Equipment: Php 1,191,102.20</i>	Department of Science and Technology Regional Office No. 4A (CALABARZON)
57.	MR. Tour Guide: A Cultural Adaptive Mapping Platform using Mixed Reality	Albertson D. Amante John Richard M. Esguerra Poul Isaac De Chavez Mark Emmanuel Magsino	3,903,612.00	Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST – PCIEERD)
DISASTER RISK MANAGEMENT (DRM)				
58.	Development and Installation of Solar Isotropic Generator of Acoustic Wave (SIGAW) with FloodSensing Capability for Ternate Cavite	Tirso A. Ronquillo Albert Villena Edcel E. Torralba	1,297,284.40	Department of Science and Technology Regional Office No. 4A (CALABARZON)

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title of Externally-Funded Research Project (Ongoing)	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)
59.	Development and Installation of Solar Isotropic Generator of Acoustic Wave (SIGAW) for Quezon Province - Phase 3	Albertson D. Amante Gina Eje	1,376,310.00	Department of Science and Technology Regional Office No. 4A (CALABARZON)
60.	Deployment of Solar Isotropic Generator of Acoustic Wave (SIGAW) with Food Sensing Capability for Mayantoc, Tarlac	Albertson D. Amante	833,310.00	Department of Science and Technology Regional Office No. III
Sub-total			50,581,084.60	
TOTAL			57,407,975.85	



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

**INSTITUTIONALLY FUNDED RESEARCH PROJECTS
 FOR 2023 IMPLEMENTATION**

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Requested Duration
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)					
1.	Batangas State University Production of Opportunity for Entrepreneurial and Resource Generation Augmentation: A basis for Policy and Investment Framework	Angelo C. Panilagan Jayson Reyes Jennifer B. Atienza Bendalyn M. Landicho	447,480.00	Batangas State University	18 months
2.	Contextualizing Science Supplementary Materials for Calumpang Watershed Rehabilitation and Education	Sherryl M. Montalbo Emil C. Alcantara Abegail C. Gonzales Aimee M. Guia	155,500.00	Batangas State University	12 months
3.	Development of Civic Engagement Platform (CiviCall App) for Students of Batangas State University System	Mary Ann C. Abril Glenda Dimaano Francisco V. Aguirre Melvin Babol Johnrey Manzanal	280,324.00	Batangas State University	12 months
4.	Mathematics Remedial Tool Kits for Struggling Students (Math-RetoKiSS)	Imelda M. Flores Israel P. Peñero Renson A. Robles	65,000.00	Batangas State University	12 months

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Requested Duration
5.	Cultural Mapping of Nasugbu, Batangas as Input to Sustainable Tourism Planning	Cherry D. Abeleda Marithel J Tiangco John Paulo Ruedas Inocencio C. Madriaga Jr.	311,880.00 77,970.00	Batangas State University LGU Funding	14 months
6.	I-PASS: An Intervention Program to Achieve Soaring Rate for Civil Service Examination of LGU employees in Batangas province	Jennifer Manalo Cueto Elaine Noreen G. Baxa Lovilet C. Molo	301,764.00	Batangas State University	18 months
7.	MSMEs Mapping: Mobilizing Resources for Business Chain	Luzviminda An Abacan Abigail C. Guico James Carlo M. Inandan GIS Staff: Mories J. Guinto Diezel D. Asi Consultant: Romel Briones	95,500.00	Batangas State University	24 months
8.	Enhancement of Parenting Skills Model for Students' Academic Performance in General Education	Leolanda A. Balilla Anania B. Aquino Michael John V. Francisco	37,081.00	Batangas State University	12 months
9.	Development of Model Framework on Self-Regulated Online Learning for Learners' Promoting Achievement Goals	Anania B. Aquino Estelito J. Punongbayan Aleli A. Dadayan	21,000.00	Batangas State University	12 months



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Requested Duration
10.	Tech-Based Interactive e-Module (TBIEM): A Flexible Learning Material in Biochemistry	Baby Lileth A. Rosales Nerrie E. Malaluan Jayson D. Pentinio Dioneces Alimoren	64,651.00	Batangas State University	12 months
11.	TeachQueerLit: Gender Diversity Consciousness through the Integrative Teaching of Queer Literature in Higher Education	Richard M. Bañez Aimee M. Guia Joshua N. De Villa	387,640.00	Batangas State University	12 months
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)					
12.	Health Benefits, Safety Assessment and Product Development of <i>Allaeanthus luzonicus</i> (Blanco) Fern.-Vill. (Himbabao) Male Flowers	Rosenda A. Bronce Rysheer P. Quiatchon Marielli Katherine C. Untalan	250,000.00	Batangas State University	12 months
13.	Development of an Automatic Fish Feeder System for Backyard Tilapia Farming in Nasugbu, Batangas	Melvinn B. Roxas Froilan G. Destreza Renz Mervin A. Salac Djoanna Marie V. Salac	58,690.00	Batangas State University	12 months
14.	Analytical Hierarchy Process (AHP) - Based Modelling of Coffee Consumer Preference	Maricel M. Lacbay Roderick A. Cabael Annalee D. Cabrera Resharnie Armie A. Baliwag	43,230.00	Batangas State University	12 months

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Requested Duration
INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)					
15.	Point of Use Modified Candle Type Ceramic Water Filter for Arsenic Removal	Sicily B. Tiu Elisa D. Gutierrez Rhonalyn V. Maulion Jermaine S. Magboo Jerome L. Ramos	783,258.00	Batangas State University	12 months
16.	Intelligent Clinical Assessment and Recording (iCARE): Development of Web-Based and Mobile Healthcare System Application for BatStateU Nursing Students	Lorissa Joana E. Buenas Albert V. Paytaren Renalyn D. Malabanan Julius R. Tolentino	100,000.00	Batangas State University	18 months
17.	Indian Mango Fruit Drop Prediction using CNN Image Classification in Drone Vision System	Romeo A. Concepcion Froilan G. Destreza Melvinn B. Roxas Alfredo V. Atienza Jr.	91,400.00	Batangas State University	12 months
18.	Response and Engage Directly (RED): Batangas State University Website Personal Assistant using Chatbot Application	Shiela Marie G. Garcia Melvin Babol Joseph Rizalde E. Guillo Johnrey N. Manzanal Jonel Naquita	121,001.00	Batangas State University	18 months

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY
 The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: http://www.batstate-u.edu.ph

Office of the Research Director

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Requested Duration
DISASTER RISK MANAGEMENT (DRM)					
19.	Disaster Risk Hazard Mapping and Contingency plan for Psychosocial Support (CoPS) Manual towards Posttraumatic Growth in the City of Tanauan	Florina P. Santiago Erold P. Dimaculangan Alvin Ryan A. Dizon Jovito P. Permante Leonora P. Santos	125,000.00	Batangas State University	12 months
HEALTH RESEARCH					
20.	CALUMPANG-KALUSUSGAN: Health Risks and Vulnerabilities of Communities along Batangas Bay Watershed	Rochelle Anne S. Quinia Josefita Hernandez Kristia Lei A. Reyes Charmaine Rose I. Trivino Inocencio C. Madriaga, Jr.	147,450.00	Batangas State University	12 months
21.	Health Status and Lifestyle Practices of Coastal Communities in Nasugbu, Batangas	Renalyn D. Malabanan Rosalie R. Rojas Ronarica B. Diones Kareen C. Aclan	37,000.00	Batangas State University	6 months
22.	Transforming Education, Empowerment through Nurturing the Adolescents (TEEN) Project: "Module Development and its Implementation for Teenage Pregnancy among Adolescents in Selected Barangays in Batangas City	Mary-Ann H. Briones Maria Theresa A. Hernandez Maria Christina E. Bay Rysheer P. Quiatchon Charmaine Rose I. Trivino	217,000.00	Batangas State University	18 months
TOTAL			3,924,849.00		

Leading Innovations, Transforming Lives, Building the Nation



Republic of the Philippines
BATANGAS STATE UNIVERSITY

The National Engineering University

Rizal Avenue Ext., Batangas City, Batangas, Philippines 4200

Tel Nos.: (+63 43) 980-0385; 980-0387; 980-0392 to 94; 425-7158 to 62 loc. 1814

E-mail Address: research@g.batstate-u.edu.ph | Website Address: <http://www.batstate-u.edu.ph>

Office of the Research Director

SUMMARY	TOTAL NUMBER	TOTAL APPROVED BUDGET (Php)
Completed Research Projects 2022	27	15,553,730.20
Institutionally-Funded	20	6,555,398.00
Externally-Funded	7	8,998,332.20
Ongoing Research Projects 2022	60	57,407,975.85
Institutionally-Funded	35	6,826,891.25
Externally-Funded	25	50,581,084.60
Proposed Research Projects for 2023 Implementation	22	3,924,849.00
Institutionally-Funded	22	3,924,849.00

Prepared by:

Handwritten signature of Emelie A. Ona in blue ink.

Asst. Prof. EMELIE A. ONA
Faculty with Special Administrative Assignment

Checked and Verified:

Handwritten signature of Dr. Rosenda A. Bronce in blue ink.

Dr. ROSENDA A. BRONCE
Director, Research

Leading Innovations, Transforming Lives, Building the Nation