



Republic of the Philippines
BATANGAS STATE UNIVERSITY
 Batangas City
OFFICE OF THE DIRECTOR FOR RESEARCH
 Tel Nos. (043) 300-2202 loc. 232; 980-0385 loc. 1814
 E-mail Address: research@g.batstate-u.edu.ph

COMPLETED RESEARCH PROJECTS 2021

INSTITUTIONALLY-FUNDED

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Date of Completion
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)						
1.	Pagpapaunlad sa Pagtuturo ng Panitikang Gender -Based Salig sa Umiiral na Kurikulum	Alfred H. Sedaria Riza C. Banaera Crisallie M. Bautista Joy M. Reyes	16,000.00	Batangas State University	August 2018 to March 2019	March 2021
2.	Rhetorical Construct of the Self: Exploration of Writings of Students with Delayed College Enrollment	Richard M. Bañez Romel M. Acheron	35,000.00	Batangas State University	August 2018 to December 2019	July 2021
3.	Communicative Competence of Graduates: Input to Designing Language Instructional Portfolio	Ronel M. Sapungan Freddie B. Bulauan Expedito V. Acorda Romel M. Acheron Mabel O. Lopez	50,000.00	Batangas State University	August 2018 to December 2019	July 2021
4.	Program Title: Research Program to Innovate Social Sciences and Education for the Challenges of Industry 4.0 Project Component C. Bayan Ko. Mahal Ko, Linis Ko: Solid Waste Management Practices by the Residents of Nasugbuenos	Dairen P. de Luna Maria Luisa A. Valdez Chin Chin H. Diaz Almerian B. Tayobong	21,000.00	Batangas State University	August 17, 2020 to September 30, 2021	December 2021



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AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)						
5.	Phytochemical Constituents of Propolis Collected During Dry and Wet Seasons at Selected Areas in Batangas, Philippines and their Anti-oxidant, Anti-microbial and Anti-inflammatory Activities	Rosenda A. Bronce Emelie A. Ona Ivy Fides R. Perez Anita P. Aquino	220,020.00	Batangas State University	January 2019 to December 2020	March 2021
6.	GIS Mapping of Habitats and Ex-Situ Genetic Conservation of Philippine Hoyas in Batangas Province, Verde Island Passage	Herbert G. Bañados Jr. Ermak B. Abenir Mars G. Panganiban	39,900.00	Batangas State University	2018	October 2021
INDUSTRY, ENRGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)						
7.	Air Quality Investigative Research (AIR) for Poultry Industry in San Jose, Batangas	Oliver S. Dimailig Diosa Marie M. Aguila Danica Marie B. Mercado Jerick P. Pecaso	294,500.00	Batangas State University	September 2018 to August 2019	May 2021
8.	Design and Development of a Portable Biodiesel Reactor Using Aeration-Assisted Alkali-Catalyzed Transesterification of Waste Cooking Oil: A Lex Plus Project (Component 2)	Rejie C. Magnaye Neres Ann Repolyo	345,000.00	Batangas State University	January 2019 to August 2019	May 2021



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9.	Nautical Explorer for Marine Observation v2.0 Component A: Stabilized Control System and Electronic Integration Component B: Chassis and Thrust Propeller Design	Albertson D. Amante	191,818.00	Batangas State University	January 2020 to December 2020	July 2021
10.	Balayeños Automated Bagoong Machine	Marc Zeus R. Villanueva Armando E. Arzobal Celine A. Mendez	171,941.00	Batangas State University	2018 to 2021	August 2021
11.	Recycle On-demand BIN (ROBIN)	Ponciano Reyes Emmanuel Bobis Albertson Amante Rojay Flores	250,000.00	Batangas State University	August 2018 to August 2019	October 2021
12.	Development of Bridge Condition Monitoring Tool Using Deep Learning Approach	Cristina Amor M. Rosales Marizel B. Villanueva Ernesto C. Magundayao Antonio Gamboa	289,000.00	Batangas State University	August 2018 to August 2019	December 2021
Sub-total			1,924,179.00			



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COMPLETED RESEARCH PROJECTS 2021

EXTERNALLY-FUNDED

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Date of Completion
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)						
13.	The Knowledge awareness Assessment on Road Safety for Children Program	Shirley G. Cabrera Joel B. Bacay Gemar Perez Teodorica Ani Realiza M. Mame Myrna Coliat Bendalyn Landicho Roldan Ragot Vaberlie M. Garcia Benedict Medina Cristina Amor M. Rosales	350,000.00	Pilipinas Shell Foundation, Inc. (PSFI)	November 18, 2019 to April 23, 2020	June 2021
14.	Profiling and Needs Assessment of Barangays Tabangao, Ambulong, Libjo, San Isidro and Malitam (TALIM) in Batangas City: An Input to Pilipinas Shell Foundation, Inc., Social Development and Investment Plan	Vaberlie P. Mandane-Garcia Jaika Almira R. Agena Cristina Amor M. Rosales Realiza M. Mame Heidi Gonzales	579,400.01	Pilipinas Shell Foundation, Inc. (PSFI)	January 29, 2021 to July 28, 2021	December 2021



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Date of Completion
15.	Community Empowerment Thru Science and Technology (CEST) Community Needs Assessment (CNA)	Kristia Lei A. Reyes Glenda M. Dimaano Vener C. Macatangay Mary Rose F. Persincla Raymond Kit Rodriguez Albert S. Mercado Ruel M. Panday	947,537.00	Department of Science and Technology Regional Office No. 4A (CALABARZON)	March 17, 2021 to June 17, 2021 First approved extension: June 17, 2021 to July 31, 2021 Second approved extension: July 31, 2021 to August 31, 2021	December 2021
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)						
16.	GIS-based Profiling of San Juan River in Sto. Tomas City, Tanauan City, Malvar and Lipa City, Batangas	Romel U. Briones Herbert Banados Jr Ermark Abenir Inocencio Madriaga Jr.	200,000.00	Department of Environment and Natural Resources (DENR)	February 2020 to July 2020 Approved Extension: July 29, 2020 to December 31, 2020	May 2021



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17.	GIS-based River Profiling of Saran River, San Juan River, San Cristobal River in the Province of Laguna	Romel U. Briones Herbert Banados Jr Ermark Abenir Inocencio Madriaga Jr.	600,000.00	Department of Environment and Natural Resources (DENR)	February 2020 to July 2020 Extension: July 29, 2020 to December 31, 2020	September 2021
18.	Assessment of the Resources and Capabilities of the Local Government Units (LGUs) of Batangas Province in Providing Agriculture and Fisheries Extension Services	Gemar G. Perez Abegail L. Gonzales Rosenda A. Bronze Joel B. Bacay Cristina Amor M. Rosales Irene H. Maralit Teodorica G. Ani Romer C. Castillo Daryl M. Magpantay Roldan C. Ragot Eva L. Ilagan Maria Concepcion P. Manalo Jaika Almira R. Agena Myrna A. Coliat Chevelle V. Gaan	1,000,000.00	Department of Agriculture, Regional Field Office – 4A (CALABARZON)	April 12, 2021 to July 11, 2021	December 2021



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INDUSTRY, ENRGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)						
19.	Development and Installation of Solar-powered Chili Dryer	Albertson D. Amante Gil B. Barte Rojay A. Flores	567,000.00	Department of Science and Technology Regional Office No. 4A (CALABARZON)	January 1, 2020 to June 30, 2020 Approved Extension: December 31, 2020	August 2021
20.	SICAT: Support for Innovative and Commercially Viable Agicultural Technology	John Richard Esguerra	500,000.00	Southeast Asian Regional Center for Graduate Study and Research in Agriculture (SEARCA)	March 12, 2021 to September 30, 2021	December 2021
21.	TBI 4.0: Technology Business Incubation 4.0 for Region 4A	Albertson D. Amante	13,159,259.20	Department of Science and Technology – Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST – PCIEERD)	March 1, 2019 to February 28, 2021 Approved Extension: October 31, 2021	December 2021
DISASTER RISK MANAGEMENT (DRM)						
22.	Development and Installation of Solar-powered Isotropic Generator of Acoustic Wave (SIGAW) in Quezon Province Phase II	Tirso A. Ronquillo Albertson D. Amante Rojay Flores	930,000.00	Department of Science and Technology Regional Office No. 4A (CALABARZON)	October 2019 to March 2021	March 2021



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23.	Bangon Batangas: S&T-based Assistance to Taal Volcano's Internally Displaced Population	Romel U. Briones Armando Mendoza Jr. Shirley G. Cabrera Vaberlie P. Mandane-Garcia	4,000,000.00	Department of Science and Technology – Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)	August 1, 2020 to January 31, 2021 First Extension: July 31, 2021 Second Extension: September 30, 2021	September 2021
Sub-total			22,833,196.21			
TOTAL			24,757,375.21			



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ONGOING RESEARCH PROJECTS 2021

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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)					
1.	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	August 16, 2021 to July 30, 2022
2.	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
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
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	August 16, 2021 to December 29, 2021



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5.	Transportation Research for Assessment of its Network, Safety, Policy and Optimization (TRANSPO) Program Project 1A: Social Analysis on Traffic Administration (SATA) Project 1B: Social Analysis on Traffic Administration (SATA)	Project 1A: Jeffery Arrieta Albert M. Arcega Cristina Amor M. Rosales Project 1B: Leonida M. Falculan Marie Grace D. Alea Amiel Abacan	153,768.00	Batangas State University	August 17, 2020 to July 16, 2021
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	August 17, 2020 to July 16, 2021
7.	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



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8.	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 Lumbera	33,500.00	Batangas State University	August 17, 2020 to July 16, 2021
9.	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	Julius R. Tolentino Rosalie R. Rojas Kareen C. Aclan Ric Matthew C. Bihag	59,900.00	Batangas State University	August 17, 2020 to July 16, 2021
10.	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	August 17, 2020 to July 16, 2021



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11.	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	August 2018 to April 2021
12.	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
13.	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	August 2018 to July 2019
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)					
14.	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	October 18, 2021 to September 30, 2022



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15.	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	August 17, 2020 to July 16, 2021 Approved Extension: July 17, 2021 to October 31, 2021
16.	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	August 17, 2020 to July 16, 2021 Approved Extension: July 17, 2021 to December 17, 2022
17.	Assessment of Sea Cucumber Farming, Reaching and Processing in Coastal Communities of Calatagan, Batangas: Basis for Scaling up its Aquafarming Sustainability Initiatives	Maria Luisa A. Valdez Miguel Enrique Ma. A. Azcuna Dairen P. De Luna Almerian B. Tayobong Chin Chin H. Diaz Jovy Ann Valera	300,000.00	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



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18.	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	August 17, 2020 to July 16, 2021
19.	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	August 17, 2020 to July 16, 2021
20.	Development of "Green" Pasta from Saba, Kangkong and Malunggay	Maylen G. Eroa Glenda de Mesa Nenita G. Hornilla	300,000.00	Batangas State University	August 2018 to December 2019
INDUSTRY, ENRGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)					
21.	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
22.	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	August 16, 2021 to July 30, 2022



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23.	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	August 16, 2021 to July 30, 2022
24.	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
25.	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	August 16, 2021 to July 30, 2022
26.	<p>Program Title: Valuing Effective Re-engineering Mechanism for Improved Productivity (VERMI)</p> <p>Project 1: Characterization of Vermicomposting Product of Kahariam Farm: Input for Process Re-Engineering</p>	John Kevin M. De Castro Manilyn V. Calapatia Julie Pearl F. Marasigan Roxanne R. Navarro	30,000.00	Batangas State University	August 16, 2021 to December 29, 2021



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27.	<p>Program Title: Valuing Effective Re-engineering Mechanism for Improved Productivity (VERMI)</p> <p>Project 2: Design of the Vermicast Handling and Cleaning System for Kahariam Farms in Lipa City</p>	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
28.	<p>BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs</p> <p>VIRTUAL TOURS.PH- An online Virtual Relaity Based Platform for Philippine Tourism Destination and Cultural Heritage Sites</p>	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
29.	<p>BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs</p> <p>Design and development of iSTACK: Integrated and Systematic Technology for Agricultural E-Commercial Kart</p>	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



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30.	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
31.	BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs Building Earthquake-effect Assessment and Monitoring System (BEAMS)	John Carlo Agarr 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
32.	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	January 15, 2021 to January 14, 2022 Approved Extension: January 15, 2022 to October 14, 2022



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33.	BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs Infrastructure-Soil Interaction and Land-Usage Assesment 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
34.	Program Title: TAAL (Taal Ashfall Analysis and Applications for Livelihood) Project 1. Removal of Methylene Blue Dye in Aquesous Solution Using Nanosilca 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
35.	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	August 17, 2020 to July 16, 2021
36.	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	March 2017 to March 2018



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DISASTER RISK MANAGEMENT (DRM)					
37.	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	October 18, 2021 to September 30, 2022
HEALTH RESEARCH					
38.	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	Julius R. Tolentino Rosalie R. Rojas Kareen C. Aclan Ric Matthew C. Bihag	59,900.00	Batangas State University	August 17, 2020 to July 16, 2021
39.	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
40.	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



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
41.	Psycho-Emotional Effects of Distance Parenting of OFWs	Jocelyn Banaybanay Ruel Panday Jean Karla M. Castillo	18,800.00	Batangas State University	August 2018 to July 2020
Sub-total			11,806,729.25		



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ONGOING RESEARCH PROJECTS 2021

EXTERNALLY-FUNDED

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Duration of the Project
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)					
42.	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
43.	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
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)					
44.	Women in Water Research: Assess, Collaborate and Engage (Win H2O RACE)	Mark L. Sibag Lovely C. Añonuevo Debbie Anne P. Marcelino Ernesto C. Magundayao	102,206.62 (66,640.00 THB)	Asia-Pacific Economic Cooperation (APEC)	November 2, 2021 to April 29, 2022



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Duration of the Project
45.	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
46.	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)	May 1, 2021 to April 30, 2023
47	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)	July 1, 2021 to June 30, 2023
48.	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)	April 1, 2021 to December 31, 2021



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Duration of the Project
49.	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)	December 21, 2020 to May 20, 2023
50.	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)	March 1, 2020 to February 28, 2022
51.	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 Extension: October 1, 2021 to December 31, 2021



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INDUSTRY, ENRGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)					
52.	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)	December 16, 2021 to December 15, 2022
53.	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)	November 2021 to August 2022
54.	Strengthening Operation of Regional Inclusive Innovation Center (RIIC) in CALABARZON	John Richard M. Esguerra Albertson D. Amante Jecamarie V. Pasay	1,434,515.20	Department of Science and Technology Regional Office No. 4A (CALABARZON)	October 1, 2021 to September 30, 2022
55.	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)	March 1, 2022 to February 28, 2023



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Duration of the Project
56.	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 - January 3, 2022
57.	<p>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)</p> <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>	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



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Duration of the Project
58.	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)	February 15, 2021 to February 14, 2022
59.	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)	November 2020 to November 2021
60.	Technology Improvement of the Production Facility of Food Innovation Center in Batangas State University	Marielli Katherine C. Untalan	169,450.00 Assessed Value of Equipment: Php 1,191,102.20	Department of Science and Technology Regional Office No. 4A (CALABARZON)	November 2020 to November 202
61.	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)	October 1, 2020 to September 30, 2021



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Duration of the Project
DISASTER RISK MANAGEMENT (DRM)					
62.	SIGAW 1: Development of Wireless Integrated Solutions for Emergency Response (WISER): Tsunami Monitoring and Early Warning System for Batangas Province	Albertson D. Amante Carlito H. Mayo Mirasol A. Cataga-Dilay	4,247,800.00	United Nations World Food Programme (WFP)	2018
Sub-total			44,343,283.83		
TOTAL			56,150,013.08		



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**INSTITUTIONALLY-FUNDED RESEARCH PROJECTS
FOR 2022 IMPLEMENTATION**

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
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	January 31, 2022 to January 30, 2023
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	January 31, 2022 to July 30, 2022
3.	Academic-Research Writing Among Graduate Students of Batangas State University, Philippines	Romel M. Acheron Ronel M. Sapungan	50,000.00	Batangas State University	January 31, 2022 to July 30, 2022
INDUSTRY, ENRGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)					
4.	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	January 31, 2022 to January 30, 2023
TOTAL			432,900.00		

Prepared by:


ANDREA A. MONTIEL
Administrative Aide VI

Checked and Verified:


Dr. ROSENDA A. BRONCE
Director for Research