



Republic of the Philippines  
**BATANGAS STATE UNIVERSITY**

**The National Engineering University**

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Office of the Research Director

**LIST OF MONITORED RESEARCH PROJECTS**

**FIRST QUARTER 2024**

**(January to March)**

<b>Source of Fund</b>	<b>Completed</b>	<b>Ongoing</b>
Institutional	4	48
External	6	13
Subtotal	10	61
<b>TOTAL</b>	<b>71</b>	



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**Office of the Research Director**

**COMPLETED RESEARCH PROJECTS 2024**

(As of March 31, 2024)

**INSTITUTIONALLY-FUNDED**

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
<b>INTEGRATED BASIC AND APPLIED RESEARCH (IBAR)</b>						
1.	Mathematics Remedial Tool Kits for Struggling Students (Math-RetoKiSS)	Imelda M. Flores Israel P. Peñero Renson A. Robles	56,500.00	Batangas State University Pablo Borbon Campus	January 23, 2023 to June 22, 2023	January 2024
2.	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 Central Administration	January 31, 2022 to January 30, 2023	February 2024
<b>AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)</b>						
3.	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 ARASOF-Nasugbu Campus	January 31, 2022 to January 30, 2023  Approved Extension: February 1, 2023 to May 31, 2023	January 2024
<b>INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)</b>						
4.	<b>CAMPUS Program:</b> 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 Alangilan Campus	January 31, 2022 to January 30, 2023	January 2024



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**COMPLETED RESEARCH PROJECTS 2024**

(As of March 31, 2024)

**EXTERNALLY-FUNDED**

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
<b>INTEGRATED BASIC AND APPLIED RESEARCH (IBAR)</b>						
5.	Local Economic Development and Competitiveness Index for Cities and Municipalities in the Philippines (CMCI 2023)	Albertson D. Amante Rosenda A. Bronce Aquino M. De la Peña Dyzel D. Asi Rosalinda M. Comia Abigail C. Guico James Carlo M. Inandan Bryan M. Macasaet	100,000.00	Department of Trade and Industry – Region 4A	April to October 2023	January 2024
<b>AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)</b>						
6.	Biological and Ecological Studies on <i>Asparagopsis taxiformis</i> (BEAT) for culture technology development	Jayvee A. Saco	2,628,113.00	DOST – PCAARRD	February 1, 2021 to January 31, 2022  Change of Implementation: May 1, 2021 to April 30, 2022  <b>2<sup>nd</sup> Extension:</b> May 1, 2022 to April 30, 2023	January 2024



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
7.	Understanding Physiological Vulnerability of <i>Ulva</i> spp.: Implication to Green Tide Blooms	Jayvee A. Saco Amor P. Magtibay Najeen Arabelle M. Rula Jovy Ann Valera Glenn Brian E. Aguila	2,146,250.00	Department of Science and Technology– Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)	April 1, 2021 to March 31, 2023  Change of Implementation: July 1, 2021 to June 30, 2023	January 2024
<b>INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)</b>						
8.	<b>Program Title:</b> Higher Education Institution Readiness for Innovation and Technopreneurship - Regional Startup Enablers for Ecosystem Development (HEIRIT-ReSEED)  <b>Project Title:</b> Innovation CONSortium of South Luzon (ICONS South Luzon)	Albertson D. Amante John Richard M. Esguerra	1,498,704.00	DOST – PCIEERD	December 16, 2021 to December 15, 2022  February 1, 2022 to January 31, 2023	January 2024



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
<b>DISASTER RISK MANAGEMENT</b>						
9.	Development and Installation of Solar Isotropic Generator of Acoustic Wave (SIGAW) with Flood Sensing Capability for Ternate Cavite	Albertson D. Amante Albert C. Villena Edcel E. Torralba	1,297,284.40	Department of Science and Technology Regional Office No. 4A (CALABARZON)	January 2022 to December 2022  Extension: January to March 31, 2023	January 2024
10.	Development and Installation of Solar Isotropic Generator of Acoustic Wave (SIGAW) for Quezon Province - Phase 3	Tirso A. Ronquillo Gina Eje	1,376,310.00	Department of Science and Technology Regional Office No. 4A (CALABARZON)	January 2022 to December 2022  Extension: January to March 31, 2023	January 2024



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**Office of the Research Director**

**ONGOING RESEARCH PROJECTS 2024**

(As of March 31, 2024)

**INSTITUTIONALLY-FUNDED**

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
<b>INTEGRATED BASIC AND APPLIED RESEARCH (IBAR)</b>					
1.	Perception of the Quality of Life After Retirement at Batangas State University - The National Engineering University: Basis for Retirement Plans	Israel P. Peñero Belen E. Bagui Therezia Conti	71,390.00	Batangas State University Alangilan Campus LREC	January 29, 2024 to January 28, 2025
2.	An Intelligent Decision Support System for Gender and Development Office Using Latent Semantic Indexing and Cosine Similarity	Lovely Rose T. Hernandez Jeleen Mangubat Ryndel V. Amorado Jennifer L. Marasigan	147,027.00	Batangas State University Alangilan Campus LREC	January 29, 2024 to January 28, 2025
3.	A Phenomenological Approach on the Adjustment of BIT Female Graduates of BatStateU Alangilan on Job Mismatch	Jocelyn C. Banaybanay Irenea T. Diaz	149,490.00	Batangas State University Alangilan Campus {Balayan} LREC	January 29, 2024 to January 28, 2025
4.	Public Elementary Pupils' Gender Perspective on Lesbian, Gay, Bisexual, Transgender, Queer, Intersexual, Asexual Plus (LGBTQIA+) Members	Israel P. Peñero Sherry Joy A. Del Mundo Michelle M. Del Rosario Lucille D. Evangelista	50,000.00	Batangas State University Alangilan Campus LREC	January 29, 2024 to January 28, 2025
5.	FACULTY EXPERIENCE: AVP (Assessment, Verification and Presentation) FOR JC3	Dennis B. Legaspi Sharon G. Angulo Jovito P. Permante	39,600.00	Batangas State University Malvar Campus LREC	January 31, 2024 to January 30, 2025



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6.	PARAISO-Based Pedagogy: Proactive songs As educational tools Reinforcing environmental Awareness Integration for Sustainable Outcomes.	Richard M. Bañez Rachelle Q. Braza Glenda M. Dimaano	35,860.00	Batangas State University Malvar Campus LREC	January 31, 2024 to January 30, 2025
7.	Assessment of the Socio-Economic Conditions of the Small-Scale Fisherfolks: Inputs for the Development of Sustainable Programs & Policies to Alleviate Marginalization (SPAM)	Jonas C. Villaveza Maria Luisa A. Valdez Gecil Jane R. Avena	68,000.00	Batangas State University ARASOF Nasugbu LREC	January 22, 2024- January 21, 2025
8.	Empowering K-12 Teachers with MAXQDA; Developing a How-to Manual to Enhance Research Skills	Jose Alejandro R. Belen Maria Fe M. Bagon Angelito D. Bayungan Rodelio D. Pega Roy Kristian T. Villadelrey	123,600.00	Batangas State University ARASOF Nasugbu LREC	January 22, 2024- January 21, 2025
9.	Inclusion of SOGIESC in Job Searching: Impact on LGBTQ BatStateU Graduates (2018-2022) as Input to GAD Programs	Sherilyn D. Macaraig Minelyn P. Cochingco Cherry U. Banta	137,050.00	Batangas State University ARASOF Nasugbu LREC	January 22, 2024- October 21, 2024
10.	ACCESS Project: Advancing Campus Culture for Equity and Student Success Empowering Diverse Student Groups in Higher Education at Batangas State University Pablo Borbon	Myra A. Bersoto Mary Joy V. Manigbas Rhia P. Perez Daryl M. Magpantay	67,300.00	Batangas State University Rosario Campus LREC	January 1 to October 31, 2024



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11.	The Mathematics of Carbon Dioxide Removal (MathCo2)	Daryl M. Magpantay Karen P. Nocum Jonjie M. Catibog	85,000.00	Batangas State University Pablo Borbon Campus	October 1, 2023 to September 30, 2024
12.	Optimization of Police Response through Mathematical Modeling	Jeffrey C. Arrieta Rhona A. Alog Daisyree S. Arrieta Karen P. Nocum Daryl M. Magpantay Jonjie M. Catibog	75,000.00	Batangas State University Pablo Borbon Campus	October 1, 2023 to March 31, 2025
13.	Cultural Mapping of Nasugbu, Batangas as Input to Sustainable Tourism Planning	Cherry D. Abeleda Marithel J. Tiangco Joseph Melo Thessa H. Noche Inocencio C. Madriaga J	275,000.00	Batangas State University ARASOF-Nasugbu Campus	January 23, 2023 to January 22, 2024
14.	Causal Factors of Low Civil Service Examination Passing Rate in Batangas Province	Jennifer Manalo Cueto Noreen G. Baxa Lovilet C. Molo Sandy M. Gonzales	165,000.00	Batangas State University Lemery Campus	January 23, 2023 to January 22, 2024
15.	MSMEs Mapping: Mobilizing Resources for Business Chain	Luzviminda An Abacan Abigail C. Guico James Carlo M. Inandan Mories J. Guinto Dyzel D. Asi	95,500.00	Batangas State University Rosario Campus	January 23, 2023 to January 22, 2024





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16.	Tech-Based Interactive e-Module (TBIEM): A Flexible Learning Material in Organic Chemistry	Baby Lileth A. Rosales Nerrie E. Malaluan Francis G. Balazon Dioneces Alimoren	121,000.00	Batangas State University Lipa Campus	January 23, 2023 to January 22, 2024
<b>AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)</b>					
17.	Unlocking the Riches: Exploring Resource Valuation and Tourists' Willingness to Pay for Sustainable Conservation of Monte Maria in Pagkilatan, Batangas	Angelica A. Macalalad Pelita C. Panganiban Leonna Marrien U. Asi Ericson Coracero	118,855.00	Batangas State University Pablo Borbon Campus	September 1, 2023 to August 31, 2024
18.	Pilot testing of <i>Halymenia durvillei</i> for sea-based farming in selected sites in Batangas Province	Jayvee A. Saco Enriquo Martin C. Velasquez Amor P. Magtibay	997,568.00	Batangas State University Central Administration	September 1, 2023 to August 31, 2024
19.	Isolation, Screening and Preservation of Oil-and-Plastic Degrading Bacteria: Towards a Sustainable Microbial Culture Collection for Environmentally Relevant Microorganism (SMEAR)	Amor P. Magtibay Abegail L. Gonzales Daniel Janick M. Razo	450,000.00	Batangas State University Pablo Borbon Campus	September 1, 2023 to February 28, 2025
20.	Coral Reef Assessment and Biodiversity Database of Marine Protected Areas of Nasugbu	Miguel Enrique Ma. A. Azcuna Jonel Corral Enriquo Martin C. Velasquez Karlo Pintor Inocencio Madriaga Jr	360,000.00	Batangas State University Central Administration	September 1, 2023 to August 31, 2024



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21.	Carabao 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. Thessa H. Noche	166,000.00	Batangas State University ARASOF-Nasugbu Campus	January 23, 2023 to January 22, 2024
22.	Development of an Automatic Fish Feeder System for Backyard Tilapia Farming in Nasugbu, Batangas	Froilan G. Destreza Renz Mervin A. Salac Djoanna Marie V. Salac Melvinn B. Roxas	93,000.00	Batangas State University ARASOF-Nasugbu Campus	January 23, 2023 to January 22, 2024
23.	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 Rochelle Anne S. Quinia	250,000.00	Batangas State University Central Administration	January 23, 2023 to January 22, 2024
24.	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 Central Administration	October 18, 2021 to September 30, 2022  Extension: Until September 30, 2023
25.	Program Title: <b>FIC 4VIP</b>  <b>Project Component B.</b> Development and Acceptability of Multispecies Seaweed Chips	Mark Anthony C. Lat Marielli Katherine C. Untalan Juliana Cassandra P. Rodil Ma. Jesukristina M. Lumanglas	200,000.00	Batangas State University Central Administration	January 2020 to December 2020



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26.	Development of "Green" Pasta from Saba, Kangkong and Malunggay	Maylen G. Eroa Glenda de Mesa Nenita G. Hornilla	300,000.00	Batangas State University Alangilan Campus	August 2018 to December 2019
<b>INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)</b>					
27.	VISION DRIVE: Vehicle Intelligent Speed Identification and Counting Observation Network Device using Real-Time Imaging Video Evaluation	Jen Aldwayne B. Delmo Cristina Amor M. Rosales Ria L. Castillo Jenelyn R. Delen Renz Raniel V. Serrano	149,490.00	Batangas State University Alangilan Campus LREC	January 29, 2024 to January 28, 2025
28.	Biomimetic Design of Sound Absorbing Panel using Polyethylene Plastic Wastes and Bamboo Scraps	Rejie C. Magnaye Jermaine S. Magboo Maylen G. Eroa Norman M. Rivera Gil B. Barte	473,880.00	Batangas State University Central Administration	October 1, 2023 to September 31, 2024
29.	Cooling/Fogging System for Tulo Multi-Purpose Cooperative Greenhouse	Anton Louise P. de Ocampo John Richard M. Esguerra John Kristoffer Javarez	140,000.00	Batangas State University Central Administration	January 2, 2024 to February 1, 2025
30.	Design and Development of a Prototype Vehicle for Shell Eco-Marathon 2024	Gerald T. Aguila Ricmart V. Garbin Jaime D. Ascona	500,000.00	Batangas State University Central Administration	September 1, 2023 to August 31, 2024
31.	Vignette: Cost-effective and Performant Application of AI/ML Technologies for Lie-streaming Entertainment	Poul Isaac De Chavez Princess Marie B. Melo Raymond Kit M. Rodriguez Guianne Marielle H. Maralit	300,000.00	Batangas State University Central Administration	September 1, 2023 to December 31, 2024



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32.	Point of Use Modified Candle Type Ceramic Water Filter for Water Purification towards Sustainable Development	Sicily B. Tiu Elisa D. Gutierrez Rhonalyn V. Maulion Jermaine S. Magboo Jerome L. Ramos	821,000.00	Batangas State University Central Administration	January 23, 2023 to January 22, 2024
33.	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	138,500.00	Batangas State University Malvar Campus	January 23, 2023 to January 22, 2024
34.	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	130,000.00	Batangas State University Malvar Campus	January 23, 2023 to January 22, 2024
35.	<b>CAMPUS Program:</b> 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 Alangilan Campus	January 31, 2022 to January 30, 2023



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
36.	<b>CAMPUS Program:</b> 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 Alangilan Campus	January 31, 2022 to January 30, 2023  Approved Extension: Until October 31, 2023
37.	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 Alangilan Campus	August 16, 2021 to July 30, 2022  <b>Extension:</b> July 31, 2022 to March 31, 2023  <b>Extension:</b> Until December 31, 2023
38.	Design, Development, and Installation of Solar-Powered Isotropic Generator of Acoustic Waves with Water Level Monitoring Capacity for Batangas Province (SIGAW)	Albertson D. Amante Albert C. Villena Edcel E. Torralba Gina R. Eje John Vincent T. Vergara	1,378,560.00	Batangas State University Central Administration	October 1, 2023 to October 31, 2024
<b>HEALTH RESEARCH</b>					
39.	Pre-Commercialization of Healthy and Innovative Peruvian Banana Snack (Phase I)	Marielli Katherine C. Untalan Emelie A. Ona Angelita Pagcaliwagan Ivy Fides R. Perez Reygan H. Sangalang	450,000.00	Batangas State University Central Administration	October 1, 2023 to March 31, 2025



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40.	Transforming Education, Empowerment through Nurturing the Adolescents (TEEN) Project: "Implementation of Program for Teenage Pregnancy among Adolescents in Batangas Province"	Mary-Ann H. Briones Maria Theresa A. Hernandez Maria Christina E. Bay Rysheer P. Quiatchon Charmaine Rose I. Trivino	289,000.00	Batangas State University Pablo Borbon Campus	January 23, 2023 to July 22, 2024
41.	Integration of Psychosocial Support for the Post-traumatic Recovery of Disaster Affected Areas	Florina P. Santiago Erwin Rafael Cabral Alvin Ryan A. Dizon Jovito P. Permante Leonora P. Santos	139,000.00	Batangas State University Malvar Campus	January 23, 2023 to January 22, 2024
42.	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	78,600.00	Batangas State University ARASOF-Nasugbu Campus	January 23, 2023 to January 22, 2024
43.	Health Status and Lifestyle Practices of Coastal Communities in Nasugbu, Batangas	Renalyn D. Malabanan Rosalie R. Rojas Ronarica B. Diones Kareen C. Aclan	42,000.00	Batangas State University ARASOF-Nasugbu Campus	January 23, 2023 to June 22, 2023  Extension: Until December 30, 2023



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**Office of the Research Director**

**Institutionally-Funded Research Projects for Completion of Terminal Report**

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
<b>INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)</b>					
44.	Transportation Research for Assessment of its Network, Safety, Policy and Optimization (TRANSPO) Program  Project 1A: Social Analysis on Traffic Administration (SATA)	Project 1A: Cristina Amor M. Rosales Jeffery Arrieta Albert M. Arcega	76,884.00	Batangas State University Central Administration	August 17, 2020 to July 16, 2021  Extension: May 31, 2023
45.	<b>Program Title:</b> Research Program to Innovate Social Sciences and Education for the Challenges of Industry 4.0  <b>Project Component D.</b> 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	65,658.00	Batangas State University Pablo Borbon Campus	August 17, 2020 to July 16, 2021  Extension: January 2020 to December 2020  Extension: January 2023 to June 2023
46.	Transportation Research for Assessment of its Network, Safety, Policy and Optimization (TRANSPO) Program  Project 2: Economic Assessment of Transportation (EAT) – ECOAST	Gemar G. Perez Teodorica G. Ani Romer Castillo	74,788.00	Batangas State University Pablo Borbon Campus	August 17, 2020 to July 16, 2021



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
<b>AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)</b>					
47.	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 Lobo Campus	August 17, 2020 to July 16, 2021  Approved Extension: July 17, 2021 to October 31, 2021  Extension: December 29, 2022
<b>INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)</b>					
48.	<b>BRIDGES Program:</b> 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)	Cristina Amor M. Rosales Erwin Enriquez Oliver S. Dimailig Danica Marie B. Mercado Diosa Marie M. Aguila John Kristoffer Javarez	802,940.00	Batangas State University Alangilan Campus	January 15, 2021 to January 14, 2022  <b>Approved Extension:</b> January 15, 2022 to October 14, 2022  <b>Approved Extension:</b> October 15, 2022 to December 31, 2022





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**ONGOING RESEARCH PROJECTS 2023**

(As of March 31, 2024)

**EXTERNALLY-FUNDED**

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
<b>INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)</b>					
49.	Labor Market Assessment on Skills and Demand Matching in Batangas City	Joel B. Bacay Rysheer Q. Legaspi Jennifer B. Atienza Concepcion P. Castro	360,000.00	FGEN LNG First Gen Corporation	September 5, 2023 to May 31, 2024
50.	Traffic Impact Assessment and Crafting of Local Public Transportation Route Plan for Lipa City	Cristina Amor M. Rosales Ernesto C. Magundayao Harold Loyd M. Ilustrisimo Vivian D. Guda	178,800.00	City Government of Lipa City	January 1, 2024 to May 31, 2024
<b>AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)</b>					
51.	DOST-CRADLE funding of BatStateU entitled: ATLANTIS: An IoT-Based Artificial Intelligence Aquaponic Control and Monitoring System for Aquaponics Greenhouse	Alvin S. Alon Francis Jesmar Montalbo John Carlo Aggari Anton Louise De Ocampo	2,879,620.00	Department of Science and Technology–Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (DOST – PCAARRD)	May 1, 2022 to April 30, 2024
52.	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) Php 98,357.80	Asia-Pacific Economic Cooperation (APEC)	November 2, 2021 to April 29, 2022  For extension



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
<b>INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)</b>					
53.	Upgrading the BatStateU Analytical Research Center Laboratory to a Third Party Laboratory for the Bioethanol Industries	Anita P. Aquino Rosenda A. Bronce	10,000,000.00	Sugar Regulatory Administration	February 21, 2024 to February 20, 2026
54.	BIOMS: Bioethanol Online and Integrated System	Rowell M. Hernandez Alex I. Magboo Ryndel V. Amorado Lanie P. Palad John Robert D. Atienza	6,528,348.00	Sugar Regulatory Administration	February 21, 2024 to February 20, 2025
55.	Fabrication of Commercial-Ready Prototype of the Collapsible Solar Power Station for Farms	Anton Louise de Ocampo Melmar Eje	2,743,807.50	Department of Science and Technology-Technology Application and Promotion Institute (DOST-TAPI)	August 3, 2023 to August 2, 2024
56.	ParallaxED: A Commercial-Ready Prototype of an Engineering Simulation System Using Mixed Reality	Albertson D. Amante Louie Villaverde Jecamarie Pasay Bryan A. Magoling	2,518,284.00	DOST-TAPI	August 1, 2023 to July 30, 2024
57.	HEIRIT-ReSEED: Scaling Up the Innovation CONSortium South Luzon (ICONS South Luzon)	John Richard M. Esguerra Jecamarie V. Pasay Michael C. Lagaya Maylen C. Eroa	2,423,552.00	DOST – PCIEERD	August 1, 2023 to July 30, 2024



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
58.	Development and evaluation of Wireless Power Transmission (WPT) for Mobile Phones	Froilan G. Destreza Melvinn B. Roxas Alfredo V. Atienza Jr. Romeo A. Concepcion Jr.	749,375.00	Department of Science and Technology Regional Office No. 4A (CALABARZON)	July 2022 to July 2023
59.	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)	July 2022 to July 2023 Extension: March 2023 to March 2024

**Externally-Funded Research Projects for Completion of Terminal Report**

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
<b>AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)</b>					
60.	BARAKO: Batangas Actions towards Revitalization and Acceleration of Kapeng BarakO Industry	Romel U. Briones Mars G. Panganiban Anton Louise P. De Ocampo 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  Approved Extension: May 21, 2023 to November 20, 2023



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
61.	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	DOST – PCAARRD	January 1, 2022 to December 31, 2023

Prepared by:

A handwritten signature in blue ink, appearing to read 'Emelie A. Ona'.

**Asst. Prof. EMELIE A. ONA**

Faculty with Special Administrative Assignment

Checked and Verified:

A handwritten signature in blue ink, appearing to read 'Dr. Rosenda A. Bronce'.

**Dr. ROSENDA A. BRONCE**

Director, Research