



Republic of the Philippines
BATANGAS STATE UNIVERSITY
The National Engineering University

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

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Office of the Research Director

COMPLETED RESEARCH PROJECTS 2023

(As of June 30, 2023)

INSTITUTIONALLY-FUNDED

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)						
1.	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 Balayan Campus	August 2018 to July 2019	June 2023
2.	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 Rosario Campus	August 16, 2021 to December 29, 2021	May 2023
3.	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	February 2023
4.	Academic-Research Writing Among Graduate Students of Batangas State University	Romel M. Acheron Ronel M. Sapungan	50,000.00	Batangas State University	January 31, 2022 to July 30, 2022	February 2023



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AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)						
5.	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 Lobo Campus	January 31, 2022 to November 30, 2022	June 2023
6.	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	300,000.00	Batangas State University ARASOF-Nasugbu Campus	August 17, 2020 to July 16, 2021 Deferred: February 2021 to December 2021 Approved Extension: January 1, 2022 to August 17, 2022	April 2023



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INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)						
7.	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	June 2023
8.	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	January 2023
9.	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	February 2023
DISASTER RISK MANAGEMENT (DRM)						
10.	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	March 2023



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HEALTH RESEARCH						
11.	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 Pablo Borbon Campus	August 16, 2021 to July 30, 2022	June 2023
12.	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 Extension: June 30, 2023	June 2023
Sub-total			1,586,211.25			



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COMPLETED RESEARCH PROJECTS 2023

(As of June 30, 2023)

EXTERNALLY-FUNDED

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration	Actual Month of Completion
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)						
13.	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 Bendalyn M. Landicho Gina D. Bonifacio Camilo C. Alulod Lorena F. Mendoza Jennifer M. Perez Shirlyne M. Guhit Agnes Arellano Edrick Morales Mark Louise Javier Julita Magtibay	200,000.00	Department of Interior and Local Government (DILG)	September 1, 2022 to October 31, 2022 December 1, 2022 to February 28, 2023	June 2023



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14.	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	February 2, 2022 to December 31, 2022	February 2023
15.	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	100,000.00	Department of Trade and Industry - 4A Regional Office	June to August 2022	February 2023
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)						
16.	Marine Biodiversity Assessment in Selected areas along the 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 March 1, 2022 to February 28, 2023	May 2023



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17.	Enterprise Development and Organization of Professional Management Team (AMIA)	Rosenda A. Bronce Irene H. Maralit Teodorica G. Ani Aquino M. De la Peña 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 Extension: until June 30, 2022 Second Extension: July 1, 2022 to December 31, 2022	March 2023
INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)						
18.	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 Extension March 1, 2023 to April 2023	June 2023
Sub-total			9,791,709.60			
TOTAL			11,377,920.85			



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ONGOING RESEARCH PROJECTS 2023

(As of June 30, 2023)

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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.	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
2.	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
3.	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 Jr.	275,000.00	Batangas State University ARASOF-Nasugbu Campus	January 23, 2023 to January 22, 2024



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4.	Causal Factors of Low Civil Service Examination Passing Rate in Batangas Province	Jennifer Manalo Cueto Elaine Noreen G. Baxa Lovilet C. Molo Sandy M. Gonzales	165,000.00	Batangas State University Pablo Borbon Campus	January 23, 2023 to January 22, 2024
5.	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 Pablo Borbon Campus	January 23, 2023 to January 22, 2024
6.	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
7.	TeachQueerLit: Gender Diversity Consciousness through the Integrative Teaching of Queer Literature in Higher Education	Richard M. Bañez Aimee M. Guia	53,000.00	Batangas State University Malvar Campus	January 23, 2023 to June 22, 2023
8.	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 Pablo Borbon Campus	January 31, 2022 to January 30, 2023



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9.	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 Alangilan Campus	August 17, 2020 to July 16, 2021 Extension: May 31, 2023
10.	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
11.	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 Pablo Borbon Campus	August 17, 2020 to July 16, 2021 Extension: January 2020 to December 2020 Extension: January 2023 to June 2023



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12.	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 Pablo Borbon Campus	August 2018 to April 2021 For completion of Terminal Report
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)					
13.	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
14.	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



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15.	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
16.	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 Pablo Borbon Campus	October 18, 2021 to September 30, 2022
17.	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
18.	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 ARASOF-Nasugbu Campus	August 17, 2020 to July 16, 2021 Approved Extension: July 17, 2021 to December 17, 2022



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19.	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 Central Administration	January 2020 to December 2020
20.	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	200,000.00	Batangas State University Central Administration	January 2020 to December 2020
21.	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
INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)					
22.	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 Alangilan Campus	January 23, 2023 to January 22, 2024



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23.	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
24.	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.	166,000.00	Batangas State University ARASOF-Nasugbu Campus	January 23, 2023 to January 22, 2024
25.	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
26.	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	January 31, 2022 to January 30, 2023



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27.	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	January 31, 2022 to January 30, 2023
28.	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	January 31, 2022 to January 30, 2023
29.	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	January 31, 2022 to June 30, 2023
30.	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	January 31, 2022 to January 30, 2023 Approved extension: May 31, 2023



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31.	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 Extension: June 2023
32.	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 Extension: July 31, 2022 to March 31, 2023
33.	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
34.	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	August 16, 2021 to December 29, 2021



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35.	<p>BRIDGES Program: Building Research and Innovation Developmental Goals for Engineering SUCs</p> <p>Establishment of Higher Education Integrated Environmental Quality Monitoring System using Air Quality Sensors and Ambient Intelligence Platform (AMBIANCE)</p>	<p>Cristina Amor M. Rosales Erwin Enriquez Oliver S. Dimailig Danica Marie B. Mercado Diosa Marie M. Aguila John Kristoffer Javarez</p>	802,940.00	Batangas State University	<p>January 15, 2021 to January 14, 2022</p> <p>Approved Extension: January 15, 2022 to October 14, 2022</p> <p>For completion of the Terminal Report</p>
HEALTH RESEARCH					
36.	Integration of Psychosocial Support for the Post-traumatic Recovery of Disaster Affected Areas	<p>Florina P. Santiago Erwin Rafael Cabral Alvin Ryan A. Dizon Jovito P. Permante Leonora P. Santos</p>	139,000.00	Batangas State University Lipa Campus	January 23, 2023 to January 22, 2024
37.	Health Status and Lifestyle Practices of Coastal Communities in Nasugbu, Batangas	<p>Renalyn D. Malabanan Rosalie R. Rojas Ronarica B. Diones Karen C. Aclan</p>	42,000.00	Batangas State University ARASOF-Nasugbu Campus	January 23, 2023 to June 22, 2023



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38.	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
39.	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	August 17, 2020 to July 16, 2021
Sub-total			8,203,780		



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ONGOING RESEARCH PROJECTS 2023

EXTERNALLY-FUNDED

No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
INTEGRATED, BASIC AND APPLIED RESEARCH (IBAR)					
40.	Local Economic Development and Competitiveness Index for Cities and Municipalities in the Philippines	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
41.	Strengthening Operation of Regional Inclusive Innovation Center (RIIC) in CALABARZON Project Component 1: Innovation for Business Recovery (Non-coffee Sector)	John Richard M. Esguerra Albertson D. Amante Jecamarie V. Pasay Gemar Perez Michael Lagaya Jecamarie Pasay Leslie Calcetas Guianne Marielle Maralit	1,434,515.20	Department of Science and Technology Regional Office No. 4A (CALABARZON)	October 1, 2021 to September 30, 2022 August 15, 2022 to April 30, 2023



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No.	Title	Proponent/s	Approved Budget (Php)	Beneficiary (Partner Industry/ Community/ Fund Source)	Approved Duration
42.	Strengthening Operation of Regional Inclusive Innovation Center (RIIC) in CALABARZON Project Component 2: Innovation for Business Recovery (Coffee Sector)	John Richard M. Esguerra Albertson D. Amante Jecamarie V. Pasay 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)	October 1, 2021 to September 30, 2022 August 15, 2022 to April 30, 2023
43.	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
AGRICULTURE, AQUATIC AND NATURAL RESOURCES RESEARCH (AANRR)					
44.	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



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45.	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, 2023 1st Extension: May 1, 2021 to April 30, 2022 2nd Extension: May 1, 2022 to April 30, 2023
46.	Understanding Physiological Vulnerability of <i>Ulva</i> spp.: Implication to Green Tide Blooms	Jayvee A.Saco Najeen Arabelle M. Rula	2,146,250.00	DOST – PCAARRD	April 1, 2021 to March 31, 2023 Extension: July 1, 2021 to June 30, 2023
47.	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



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48.	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 2 nd Extension: June 2022 to December 31, 2022 3 rd Extension: January 1, 2023 to June 30, 2023
INDUSTRY, ENERGY AND EMERGING TECHNOLOGY RESEARCH (IEETR)					
49.	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.	749,375.00 357,374.00	Department of Science and Technology Regional Office No. 4A (CALABARZON) Batangas State University	July 2022 to July 2023
50.	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



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51.	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)	January 1, 2022 to December 31, 2023
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 February 1, 2022 to January 31, 2023



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53.	<p>Program Title: PCIEERD Young Innovators Program (YIP)</p> <p>Project Title: 3D Printed Waste Battery Rod Derived Exfoliated Graphite-Polymer Composites for Electronic Sensor Applications</p>	<p>Mentors: Reymark Maalihan Anton Louise P. De Ocampo</p> <p>Students: Jefferson A. Macalalad Seth F. Robiso John Marlou T. Opiña</p>	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 January 3, 2021 to October 3, 2022 Designation Memo: January 17, 2022 to October 17, 2022
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)	February 15, 2021 to February 14, 2022 1 st Extension: February 15, 2022 to November 14, 2022 2 nd Extension: November 15, 2022 to February 14, 2023



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55.	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 2022
56.	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 Extension: January 4, 2022 to June 30, 2022
DISASTER RISK MANAGEMENT (DRM)					
57.	Development and Installation of Solar Isotropic Generator of Acoustic Wave (SIGAW) with Flood Sensing Capability for Ternate Cavite	Albertson D. Amante Albert 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



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58.	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: Jan to March 31, 2023
59.	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	March 1, 2022 to February 28, 2023
Sub-total			43,869,348.4		
TOTAL			52,073,128.4		

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 Rosenda A. Bronce in blue ink.

Dr. ROSENDA A. BRONCE

Director, Research