



Republic of the Philippines  
**BATANGAS STATE UNIVERSITY**  
 Batangas City  
**OFFICE OF THE DIRECTOR FOR RESEARCH**  
 Tel. No. + 63 (043) 300-2202 loc 232; 980-0385 loc. 1814  
 E-mail Address: research@g.batstate-u.edu.ph

**COMPLETED RESEARCH PROJECTS 2020**  
**INSTITUTIONALLY FUNDED**

**NATIONAL INTEGRATED BASIC RESEARCH AGENDA (NIBRA)**

| No. | Title  | Proponent/s   | Approved Budget (Php) | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project      | Research Agenda                    |
|-----|--|---|-----------------------|--|------------------------------|------------------------------------|
| 1.  | <b>RO2018-19.</b> BatStateU Graduate Tracer Study AY 2014-2018 | Realiza M. Mame<br>Joel B. Bacay<br>College Research and Extension Coordinators | 100,000.00            | NA   | August 2018 to February 2020 | NIBRA (Inclusive Nation-Building)) |

**HEALTH**

|           |   |  |            |                                |                         |  |
|-----------|---|--|------------|--------------------------------|-------------------------|--|
| 2         | Physicochemical, Sensory and Shelflife Analysis of Daing Flakes in Oil (Phase I)  | Shirley G. Cabrera<br>Marielli Katherine C. Untalan<br>Emelie A. Ona<br>Ivy Fides R. Perez<br>Ma. Jesukristina C. Medina | 295,000.00 | Daing Industry                 | March 2018-June 2020    | HEALTH (Nutrition and Food)                          |
| 3.        | <b>RO2018-25.</b> Proposed Design of Integrated Drainage System for Batangas City | Ernesto C. Magundayao<br>Cristina Amor M. Rosales<br>Danica Marie B. Mercado<br>Oliver S. Dimailig                       | 101,180.00 | Batangas City local government | August 2018 - June 2020 | DRR CCA (Hazards, Vulnerability and Risk Assessment) |
| Sub-total |   |  | 496,180.00 |                                |                         |  |

**EXTERNALLY FUNDED**

**NATIONAL INTEGRATED BASIC RESEARCH AGENDA (NIBRA)**

| No. | Title  | Proponent/s       | Budget Allocation (Php)             | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project | Research Agenda                             |
|-----|--|-------------------|-------------------------------------|--|-------------------------|---|
| 4   | Technological-Pedagogical-Assessment-Content-Knowledge (TPACK) in STEAM Education (the "Research and Development Program") | Emil C. Alcantara | 9,000,000.00<br>capability building | CHED-Higher Educaion Development Fund (HEDF)         | 8/1/2017<br>7/1/2019    | NIBRA (Inclusive Nation-Building-Education) |

**AGRICULTURE, AQUATIC AND NATURAL RESOURCES SECTOR (AANR)**

|   |   |   |                               |   |                    |                               |
|---|---|---|-------------------------------|---|--------------------|-------------------------------|
| 5 | Establishment of BatStateU Center for Technopreneurship and Innovation (BatStateU Technology Business Incubation)-Year 2B | Albertson D. Amante<br>Carlito H. Mayo<br>John Richard M. Esguerra    | 29,995,006.00                 | Philippine Council for Industry, Energy and Emerging Technology Research and Development<br>Philippine Chamber of Commerce Inc. | 2015-June 2020     | AANR<br>(Technology Transfer) |
|   |   |   | 3,120,117.00                  |   |                    |                               |
|   |   |   | 240,000.00                    |   |                    |                               |
|   |   |   | 26,634,889.00                 |   |                    |                               |
| 7 | Establishment of Southern Luzon Hub for Technopreneurship and Innovation  | Albertson D. Amante<br>John Richard M. Esguerra<br>Neres Ann Manguiat | 9,597,840.00<br>11,997,300.00 | CHED - Institutional Development and Innovation Grant   | May 2017-June 2020 | AANR<br>(Technology Transfer) |

**INDUSTRY, ENERGY AND EMERGING TECHNOLOGY**

|              |  |                  |  |  |                |  |
|--------------|--|------------------|--|--|----------------|--|
| 7            | Establishment of BatStateULabspace for Innovation, Knowledge – Honing and Application (LIKHA) – the BatStateU FABLAB | Louie Villaverde | 14,821,000.00<br>12,100,000.00<br>3,700,000.00 | Department of Trade and Industry (DTI) | 2018-June 2020 | Industry, Energy and Emerging Technology |
| Sub-total    |  |                  | 25,057,957.00                                  |  |                |  |
| <b>TOTAL</b> |  |                  | <b>25,554,137.00</b>                           |  |                |  |

**ON-GOING RESEARCH PROJECTS 2020  
INSTITUTIONALLY FUNDED**

**NATIONAL INTEGRATED BASIC RESEARCH AGENDA (NIBRA)**

| No. | Title   | Proponent/s  | Budget Allocation (Php) | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project  | Research Agenda                    |
|-----|---|--|-------------------------|--|--------------------------|------------------------------------|
| 1.  | <b>RO2018-1.</b> Air Quality Investigative Research (AIR) for Poultry Industry in San Jose, Batangas                                      | Oliver S. Dimailig<br>Diosa Marie M. Aguila<br>Danica Marie B. Mercado<br>Jerick P. Pecasó | 294,500.00              | San Jose Batangas                                    | September 2018 - present | NIBRA (Sustainable Communities)    |
| 2.  | <b>RO2018-12.</b> GIS Mapping of Habitats and Ex-Situ Genetic Conservation of Philippine Hoyas in Batangas Province, Verde Island Passage | Anacleto M. Caringal<br>Ermark B. Abenir<br>Herbert G. Baniados Jr.<br>Mars G. Panganiban  | 39,900.00               | Batangas Province                                    | January 2019 - present   | NIBRA (Sustainable (Sustainable    |
| 3.  | <b>RO2018-14.</b> Industrial Education Graduates' Program Learning Experience and their Competencies: From the University to the Market   | Michelle M. Del Rosario<br>Ma. Luz I. Sanchez<br>Jean Karla M. Castillo                    | 21,500.00               | NA   | August 2018 - present    | NIBRA (Inclusive Nation-Building)) |

|                  |   |  |                   |                  |                       |                                   |
|------------------|---|--|-------------------|------------------|-----------------------|-----------------------------------|
| 4.               | <b>RO2018-15.</b> Pagpapaunlad sa Pagtuturo ng Panitikang Gender -Based Salig sa Umiiral na Kurikulum                   | Alfred H. Sedaria<br>Riza C. Banaera<br>Crisallie M. Bautista<br>Joy M. Reyes  | 16,000.00         | NA               | August 2018 - present | NIBRA (Inclusive Nation-Building) |
| 5.               | <b>RO2018-18.</b> BatStateU: A Brand of Excellence Developing A Standard Identity System                                | Hernan A. Baluyut<br>Joseph M. Melo<br>Mar Lopez<br>Renson A. Robles<br>Vanessah V. Castillo   | 72,350.00         | NA               | August 2018 - present | NIBRA (Inclusive Nation-Building) |
| 6.               | <b>RO2018-30.</b> Impact Assessment of Adopt-A-Barangay Program of Batangas State University                            | Maria Theresa A. Hernandez<br>Armando V. Mendoza Jr.<br>Nickie Boy A. Manalo<br>Realiza M. Mame<br>Alvin R. De Silva<br>Vanessah V. Castillo<br>Romeo Guillo<br>Teodorica Ani<br>Roldan Ragot<br>Gemar Perez<br>Dianne S. Cullar | 370,000.00        | Extension Office | August 2018 - present | NIBRA (Inclusive Nation-Building) |
| 7.               | <b>RO2018-32.</b> Communicative Competence of Graduates: Input to Designing Language Instructional Portfolio            | Ronel M. Sapungan<br>Freddie B. Bulauan<br>Expedito V. Acorda<br>Romel M. Acheron<br>Mabel O. Lopez  | 50,000.00         | NA               | August 2018 - present | NIBRA (Inclusive Nation-Building) |
| 8.               | <b>RO2018-33.</b> Rhetorical Construct of the Self: Exploration of Writings of Students with Delayed College Enrollment | Richard M. Bañez<br>Romel M. Acheron   | 35,000.00         | NA               | August 2018 - present | NIBRA (Inclusive Nation-Building) |
| <b>SUB-TOTAL</b> |   |  | <b>899,250.00</b> |                  |                       |                                   |

#### HEALTH

| No. | Title   | Proponent/s   | Budget Allocation (Php) | Beneficiary (Partner Industry/Community/Fund Source)   | Duration of the Project | Research Agenda                    |
|-----|---|---|-------------------------|--|-------------------------|------------------------------------|
| 9.  | <b>RO2018-2.</b> Assessment of Health and Nutrition of Senior Citizens in Selected Barangays in Batangas City | Maria Christina E. Bay<br>Victoria M. Magpantay<br>Chevelle V. Gaan<br>Kristia Lei A. Reyes | 28,000.00               | Senior Citizens in Selected Barangays in Batangas City | August 2018 - present   | HEALTH (Nutrition and Food Safety) |

|                  |  |   |                   |                                     |                              |  |
|------------------|--|---|-------------------|-------------------------------------|------------------------------|--|
| 10.              | <b>RO2018-6.</b> Development of "Green" Pasta from Saba, Kangkong and Malunggay  | Maylen G. Eroa<br>Glenda de Mesa<br>Nenita G. Hornilla  | 300,000.00        |                                     | August 2018 - present        | HEALTH<br>(Functional Foods)               |
| 11.              | <b>RO2018-13.</b> Health Promotional Practices of Health Workers Assigned Among Badjao Communities in Batangas City  | Maria Christina Bernadette C. Aguba<br>Charmaine Rose I. Triviño<br>Josefita S. Hernandez<br>Rysheer P. Quaitchon | 23,000.00         | Badjao Communities in Batangas City | August 2018 - present        | HEALTH<br>(Inclusive Nation-Building))     |
| 12.              | <b>RO2018-16.</b> 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<br>Amor P. Magtibay<br>Emelie A. Ona<br>Ivy Fides R. Perez                                      | 220,020.00        | Propolis industry                   | January 2019 - December 2020 | HEALTH<br>(Drug Discovery and Development) |
| 13.              | <b>RO2018-17.</b> Psycho-Emotional Effects of Distance Parenting of OFWs   | Jocelyn Banaybanay<br>Ruel Panday<br>Jean Karla M. Castillo   | 18,800.00         | OFW families                        | August 2018 - present        | HEALTH                                     |
| <b>SUB-TOTAL</b> |  |   | <b>589,820.00</b> |                                     |                              |  |

#### INDUSTRY, ENERGY AND EMERGING TECHNOLOGY

| No. | Title   | Proponent/s   | Budget Allocation (Php) | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project | Research Agenda  |
|-----|---|---|-------------------------|--|-------------------------|--|
| 14. | <b>RO2018-3.</b> Balayeños Automated Bagoong Machine  | Marc Zeus R. Villanueva<br>Armando E. Arzobal<br>Celinne A. Mendez  | 171,941.00              | Bagoong Industry                                     | August 2018 - present   | Industry, Energy and Emerging Technology                                     |
| 15. | <b>RO2018-5.</b> Development of Bridge Condition Monitoring Tool Using Deep Learning Approach | Cristina Amor M. Rosales<br>Marizel B. Villanueva<br>Ernesto C. Magundayao<br>Antonio Gamboa  | 289,000.00              | NA   | August 2018 - present   | Industry, Energy and Emerging Technology<br>(Intelligent Transport Solution) |
| 16. | <b>RO2018-21.</b> BuyONG (Buy Online 'N Go)   | Antonette Chua<br>Kimberly D. Agcaoili<br>Irish Gay R. Amada<br>Ma. Angelica E. Cuadra<br>Joshua B. Mercado<br>Pauline Joyce A. Pasia | 250,000.00              | NA   | August 2018 - present   | Industry, Energy and Emerging Technology<br><br>(Competitive Industries)     |

|                  |   |   |                      |    |  |   |
|------------------|---|---|----------------------|----|--|---|
| 17.              | <b>RO2018-23.</b> Energy Audit of Batangas State University Main Campuses: Input to its Energy Saving Procedures                                    | Elenor M. Reyes<br>Maria LourdesV. Balansay<br>Dindo T. Ani<br>Roselyn C. Hernandez   | 100,000.00           | NA | August 2018 - present  | Industry, Energy and Emerging Technology<br>(Renewable Energy and Energy Storage Solutions) |
| 18.              | <b>RO2018-26.</b> Recycle On-demand BIN (ROBIN)   | Ponciano Reyes<br>Emmanuel Bobis<br>Albertson Amante<br>Rojay Flores  | 250,000.00           | NA | August 2018 - present  | Industry, Energy and Emerging Technology  |
| 19               | Development of a Low Cost Briquetting System Utilizing Agri-waste Materials as a Renewable Energy Fuel  | Donnalyn C. Cabaces<br>Benedicto S. Noriega<br>Allan B. de Villa<br>Michael A. Aloria   | 300,000.00           | NA | March 2017- present  | Industry, Energy and Emerging Technology<br>(Renewable Energy and Energy Storage Solutions) |
| 20               | Establishment of the Verde island Passage Center for Oceanographic Research and Aquatic Life Sciences (VIP CORALS) of the Batangas State University | Jayvee A. Saco<br>Emilia Sabban<br>Joshua Vacarizas<br>Romel U. Briones<br>Najeen Arabelle Rula<br>Emelie A. Ona<br>Ma. Jesukristina M. Lumanglas | 25,000,000.00        | NA | February 14, 2018- until the main laboratory building is completed | Infrastructure  |
| <b>SUB-TOTAL</b> |   |   | <b>26,360,941.00</b> |    |  |   |

**DISASTER RISK REDUCTION AND CLIMATE CHANGE ADAPTATION (DRR CCA)**

| No.                | Title   | Proponent/s   | Budget Allocation (Php) | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project | Research Agenda                                  |
|--------------------|---|---|-------------------------|--|-------------------------|--|
| 21.                | <b>RO2018-20.</b> Building Earthquake - effect Assessment and Monitoring and System (BEAMS) | Albertson D. Amante<br>Antonio Gamboa<br>Expedito V. Acorda<br>Mirasol Dilay<br>Rhojay Flores | 611,000.00              | NA   | August 2018 - present   | DRR CCA<br>(Observation and Monitoring Networks) |
| <b>SUB-TOTAL</b>   |   |   | <b>611,000.00</b>       |  |                         |  |
| <b>GRAND TOTAL</b> |   |   | <b>28,461,011.00</b>    |  |                         |  |

**EXTERNALLY FUNDED**

**NATIONAL INTEGRATED BASIC RESEARCH AGENDA (NIBRA)**

| No.              | Title  | Proponent/s  | Budget Allocation (Php)          | Beneficiary (Partner Industry/Community/Fund Source)                                      | Duration of the Project | Research Agenda                                |
|------------------|--|--|----------------------------------|---|-------------------------|--|
| 22               | BatStateU Straight Programs in Electronics Engineering | Divina Gracia D. Ronquillo<br>Albertson D. Amante<br>Ralph Gerard Sangalang<br>Janice Peralta<br>Antonette Chua<br>Oliver Lexter July Jose<br>Suzette Mercado<br>Michael Lagaya<br>Daniel Falo | 4,639,280.00<br><br>5,799,100.00 | Commission on Higher Education-Institutional Development and Innovation Grant (CHED-IDIG) | 12 months               | NIBRA<br>(Inclusive Nation-Building-Education) |
| <b>SUB-TOTAL</b> |  |  | <b>4,639,280.00</b>              |   |                         |  |

**AGRICULTURE, AQUATIC AND NATURAL RESOURCES SECTOR (AANR)**

| No. | Title  | Proponent/s  | Budget Allocation (Php)  | Beneficiary (Partner Industry/Community/Fund Source)  | Duration of the Project          | Research Agenda                             |
|-----|--|--|--|---|----------------------------------|---|
| 23  | Farmers Entrepreneurship Program                                   | Albertson D. Amante  | 300,000.00   | Jollibee Group  | August 2017-                     | AANR  |
| 24  | 1. Go BEEyond Project  | John Richard Esguerra  | 100,000.00   | Foundation, Inc.  | present                          | (Agriculture)                               |
| 25  | 2. A-QUA-S   | Mirasol Dilay  | 100,000.00   |   |                                  |   |
| 25  | 3. E-PEST: An Electronic Insects Control                           | Janice F. Peralta  | 100,000.00   |   |                                  |   |
| 26  | TBI 4.0: Technology Business Incubation 4.0 for Region 4A (Year I) | Albertson D. Amante  | 6,959,529.60<br>7,172,129.60   | Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCI-ETRD) | 3/1/2019<br>present              | AANR<br>(Technology Transfer)               |
| 27  | Biodiversity Assessment in Verde Island Passage (MBioAssess-VIP)   | Project Leader:<br>Jayvee A. Saco<br>Project Staff<br>Najeen Rula<br>Miguel Azcuna<br>Research Associate<br>Enrico Velasquez<br>Khay Ann Ramos | 7,431,359.20<br><br>Year 1<br>4,705,029.60<br><br>Year 2<br>2,726,329.60 | DOST-PCAARRD  | January 2020 to<br>December 2020 | AANR<br>(Natural Resources and Environment) |

|                  |  |  |                      |  |                                       |                               |
|------------------|--|--|----------------------|--|---------------------------------------|-------------------------------|
|                  |  | Project Assistant<br>Alecs Persia<br>Red Tarcelo (part time)<br>Support Staff<br>Jonel Corral<br>Jovy Ann Valera | 23,674,537.00        |  |                                       |                               |
| 28               | Program: 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)<br>Project 3D. Enhancing Technology Transfer through IP-TBM in Batangas State University (BatStateU) | Teddy F. Tepora<br><br>Teddy F. Tepora<br>Albertson D. Amante  | 1,631,716.00         | DOST-PCAARRD<br>(Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development) | January 1, 2020-<br>December 31, 2021 | AANR<br>(Technology Transfer) |
| <b>SUB-TOTAL</b> |  |  | <b>16,322,604.80</b> |  |                                       |                               |

#### INDUSTRY, ENERGY AND EMERGING TECHNOLOGY

| No. | Title  | Proponent/s  | Budget Allocation (Php)                | Beneficiary (Partner Industry/Community/Fund Source)    | Duration of the Project                               | Research Agenda   |
|-----|--|--|--|---|---|---|
| 29  | Development and Installation of Solar-powered Chili Dryer  | Albertson D. Amante<br>Gil B. Barte<br>Rojay A. Flores   | 719,200.00<br>567,000.00<br>152,200.00 | Department of Science and Technology (DOST) Region 4A   | January-June 2020<br>(on-going request for extension) | Industry, Energy and Emerging Technology  |
| 30  | 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<br>Neres Ann Manguiat<br>Emmanuel D. Regondola<br>Sheena Mae P. Manarin<br>Daniely Mae Z. Mendoza   | 345,000.00                             | Singapore Polytechnic University under Lex Plus Program | January-present                                       | Industry, Energy and Emerging Technology  |
| 31  | The Knowledge awareness Assessment on Road Safety for Children Program   | Shirley G. Cabrera<br>Joel B. Bacay<br>Gemar Perez<br>Teodorica Ani<br>Realiza M. Mame<br>Myrna Coliat<br>Bendalyn Landicho<br>Roldan Ragot<br>Vaberlie M. Garcia<br>Benedict Medina<br>Cristina Amor M. Rosales | 350,000.00                             | Pilipinas Shell Foundation                              | November 2019-present                                 | Industry, Energy and Emerging Technology<br><br>(Intelligent Transport Solutions) |

|                  |  |                               |   |          |   |  |
|------------------|--|-------------------------------|---|----------|---|--|
| 32               | Technology Improvement of the Production Facility of Food Innovation Center in Batangas State University | Marielli Katherine C. Untalan | 1,860,554.20<br>1,360,554.20<br><br>(Php169,450.00 for release, Php1,191,102.20 assessed value of equipment for transfer)<br>500,000.00 | DOST GIA | November 15, 2019-<br>November 15, 2020 | Industry, Energy and Emerging Technology<br><br>(Competitive Industries) |
| <b>SUB-TOTAL</b> |  |                               | <b>2,622,554.20</b>   |          |   |  |

**DISASTER RISK REDUCTION AND CLIMATE CHANGE ADAPTATION (DRR CCA)**

| No.                | Title  | Proponent/s   | Budget Allocation (Php)                  | Beneficiary (Partner Industry/Community/Fund Source)      | Duration of the Project | Research Agenda                                  |
|--------------------|--|---|--|---|-------------------------|--|
| 33                 | SIGAW 1: Development of Wireless Integrated Solutions for Emergency Response (WISER): Tsunami Monitoring and Early Warning System for Batangas | Albertson D. Amante<br>Carlito H. Mayo<br>Mirasol A. Cataga | 3,930,800.00<br>4,247,800.00             | World Food Programme (WFP)                                | 2016-present            | DRR CCA<br>(Observation and Monitoring Networks) |
| 34                 | Development and Installation of Solar-powered Isotropic Generator of Acoustic Wave (SIGAW) for Quezon Province-Phase 2                         | Tirso A. Ronquillo<br>Albertson D. Amante<br>Rojay Flores   | 1,250,000.00<br>930,000.00<br>320,000.00 | Department of Science and Technology-Region 4A (DOST-IVA) | 01/10/2019-present      | DRR CCA<br>(Observation and Monitoring Networks) |
| <b>SUB-TOTAL</b>   |  |   | <b>4,860,800.00</b>                      |   |                         |  |
| <b>GRAND TOTAL</b> |  |   | <b>28,445,239.00</b>                     |   |                         |  |

**RESEARCH PROJECTS FOR IMPLEMENTATION 2020  
INSTITUTIONALLY FUNDED**

**NATIONAL INTEGRATED BASIC RESEARCH AGENDA (NIBRA)**

| No. | Title  | Proponent/s   | Budget Allocation (Php) | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project           | Research Agenda |
|-----|--|---|-------------------------|--|-----------------------------------|-----------------|
| 1   | PROGRAM TITLE: Research Program to Innovate Social Sciences and Education for the Challenges of Industry 4.0<br><b>2020-RO-01</b> Project Component D: Establishment of BatStateU Lobo Academic Laboratory vis-à-vis | Gemar G. Perez<br>Luzviminda Abacan<br>Joanne Camille Verdadero | 180,058.00<br>65,658.00 |  | August 17, 2020-<br>July 16, 2021 | NIBRA           |



|                  |   |  |                   |  |  |  |
|------------------|---|--|-------------------|--|--|--|
|                  | Agribusiness Hub: An Entrepreneurial Harvesting (Establishment of BatStateU Lobo - ALAH EH)   | April M. Perez<br>Leonna Marrienne U. Asi<br>Katherine T. Arellano<br>Jennifer M. Perez<br>Mary Grace T. Mandane<br>Amor I. Ilagan<br>Melmar Eje<br>Albertson D. Amante<br>Antonio A. Gamboa |                   |  |  |  |
| 2                | <b>2020-RO-02</b> Project Component C: Bayan Ko, Mahal Ko, Linis Ko: Solid Waste Management Practices by the Residents of Nasugbueños | Dairen P. De Luna<br>Maria Luisa A. Valdez<br>Chin Chin H. Diaz<br>Almerian B. Tayobong<br>Melecio Joseph B. Bo  | 21,000.00         |  |  |  |
| 3                | <b>2020-RO-03</b> Project Component A: Status of Coffee Production in Lipa  | Shelyn S. Extra<br>Leoven A. Austria<br>Nerrie E. Malaluan<br>Madel Lumbera  | 33,500.00         |  |  |  |
| 4                | <b>2020-RO-04</b> Project Component B: Health and Wellness Program of Batangas State University                                       | Julius R. Tolentino<br>Rosalie R. Rojas<br>Kareen C. Aclan<br>Ric Matthew C. Bihag   | 59,900.00         |  |  |  |
| <b>SUB-TOTAL</b> |   |  | <b>180,058.00</b> |  |  |  |

#### HEALTH

| No. | Title   | Proponent/s  | Budget Allocation (Php) | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project           | Research Agenda |
|-----|---|--|-------------------------|--|-----------------------------------|-----------------|
| 5   | <b>2020-RO-05</b> Project Component C: Development of Edible Film using Crude Extract from Seaweed ( <i>Kappaphycus alvarezii</i> ) | Marielli Katherine C. Untalan<br>Juliana Kassandra P. Rodil<br>Mark Anthony C. Lat<br>Ma. Jesukristina M. Lumanglas<br>Shirley G. Cabrera<br>Emelie A. Ona | 800,000.00              | Batangas State University                            | August 17, 2020-<br>July 16, 2021 | HEALTH          |

|                  |  |   |                   |  |  |  |
|------------------|--|---|-------------------|--|--|--|
| 6                | <b>2020-RO-07</b> Project Component A: Use of Sargassum polystum as Preservative and Fortifier     | Ivy Fides R. Perez<br>Jayvee A. Saco<br>Alecs Persia                      |                   |  |  |  |
| 7                | <b>2020-RO-08</b> Project Component D: Development of Sea Grapes (Caulerpa lentillifera) Juice     | Seven (7) Research faculty researchers from different department/colleges |                   |  |  |  |
| 8                | <b>2020-RO-09</b> Project Component B: Development and Acceptability of Multispecies Seaweed Chips |   |                   |  |  |  |
| <b>SUB-TOTAL</b> |  |   | <b>800,000.00</b> |  |  |  |

#### AGRICULTURE, AQUATIC AND NATURAL RESOURCES SECTOR

| No.              | Title  | Proponent/s   | Budget Allocation (Php) | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project           | Research Agenda |
|------------------|--|---|-------------------------|--|-----------------------------------|-----------------|
| 10               | <b>2020-RO-10</b> Seaweed Beds as Transition Habitat for Coral Reef Fishes (SeaBatH)   | Jovy Ann Valera<br>Najeen Arabelle Rula<br>Jayvee A. Saco<br>Romel U. Briones<br>Renan Bobiles<br>Miguel Enrique Ma. M. Azcuna  | 350,000.00              | Batangas State University                            | August 17, 2020-<br>July 16, 2021 | AANR            |
| 11               | <b>2020-RO-11</b> Biodiversity Mapping of Marine Protected Areas of Barangay Papaya, Nasugbu Batangas  | Miguel Enrique Ma. A. Azcuna<br>Inocencio Madriaga Jr.  | 200,000.00              | Batangas State University                            | August 17, 2020-<br>July 16, 2021 | AANR            |
| 12               | <b>2020-RO-12</b> 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<br>Miguel Enrique Ma. A. Azcuna<br>Melecio Joseph B. Bo<br>Dairen P. De Luna<br>Almerian B. Tayobong<br>Chin Chin H. Diaz<br>Jovy Ann P. Valera | 300,000.00              | Batangas State University                            | August 17, 2020-<br>July 16, 2021 | AANR            |
| <b>SUB-TOTAL</b> |  |   | <b>850,000.00</b>       |  |                                   |                 |

#### INDUSTRY, ENERGY AND EMERGING TECHNOLOGY

| No.              | Title  | Proponent/s  | Budget Allocation (Php) | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project           | Research Agenda                          |
|------------------|--|--|-------------------------|--|-----------------------------------|--|
| 13               | <b>2020-RO-13</b> Nautical Explorer for Marine Observation v2.0<br>Component A: Stabilized Control System and Electronic Integration<br>Component B: Chassis and Thrust Propeller Design | Albertson D. Amante<br>Diether Jhay S. Masangkay<br>Diane Jelyn C. Gutierrez<br>Cleo Martin R. Torino<br>John Paul M. Caringal<br>Lenard Wiliam A. Velasquez | 191,818.00              | Batangas State University                            | August 17, 2020-<br>July 16, 2021 | Industry, Energy and Emerging Technology |
| <b>SUB-TOTAL</b> |  |  | <b>191,818.00</b>       |  |                                   |  |

**DISASTER RISK REDUCTION AND CLIMATE CHANGE ADAPTATION (DRR CCA)**

| No.                | Title   | Proponent/s  | Budget Allocation (Php)                            | Beneficiary (Partner Industry/Community/Fund Source) | Duration of the Project           | Research Agenda |
|--------------------|---|--|--|--|-----------------------------------|-----------------|
| 14                 | <b>2020-RO-14</b> Transportation Research for Assessment of its Network, Safety, Policy and Optimization (TRANSPO) Program<br>Project 1: A. Social Analysis on Traffic Administration (SATA)<br>B. Social Analysis on Traffic Administration (SATA)<br>Project 2: Economic Assessment of Transportation (EAT)<br>Project 3: Route Usability on Transportation Availability (RUTA) | Jeffery Arrieta<br>Albert M. Arcega<br>Cristina Amor M. Rosales<br>Leonida M. Falculan<br>Mary Grace D. Alea<br>Bryan Manalo<br>Gemar P. Perez<br>Teodorica G. Ani<br>Romer C. Castillo<br>Cristina Amor M. Rosales<br>Vivian S. Guda<br>Ernesto C. Magundayao | 327,740.00<br>153,768.00<br>74,788.00<br>99,184.00 | Batangas State University                            | August 17, 2020-<br>July 16, 2021 | DRR CCA         |
| <b>SUB-TOTAL</b>   |   |  | <b>655,480.00</b>                                  |  |                                   |                 |
| <b>GRAND TOTAL</b> |   |  | <b>2,677,356.00</b>                                |  |                                   |                 |

Prepared by:



**Emelie A. Ona**

Faculty with Special Assignment

Reviewed and Checked :



**Dr. Rosenda A. Bronce**

Director for Research