

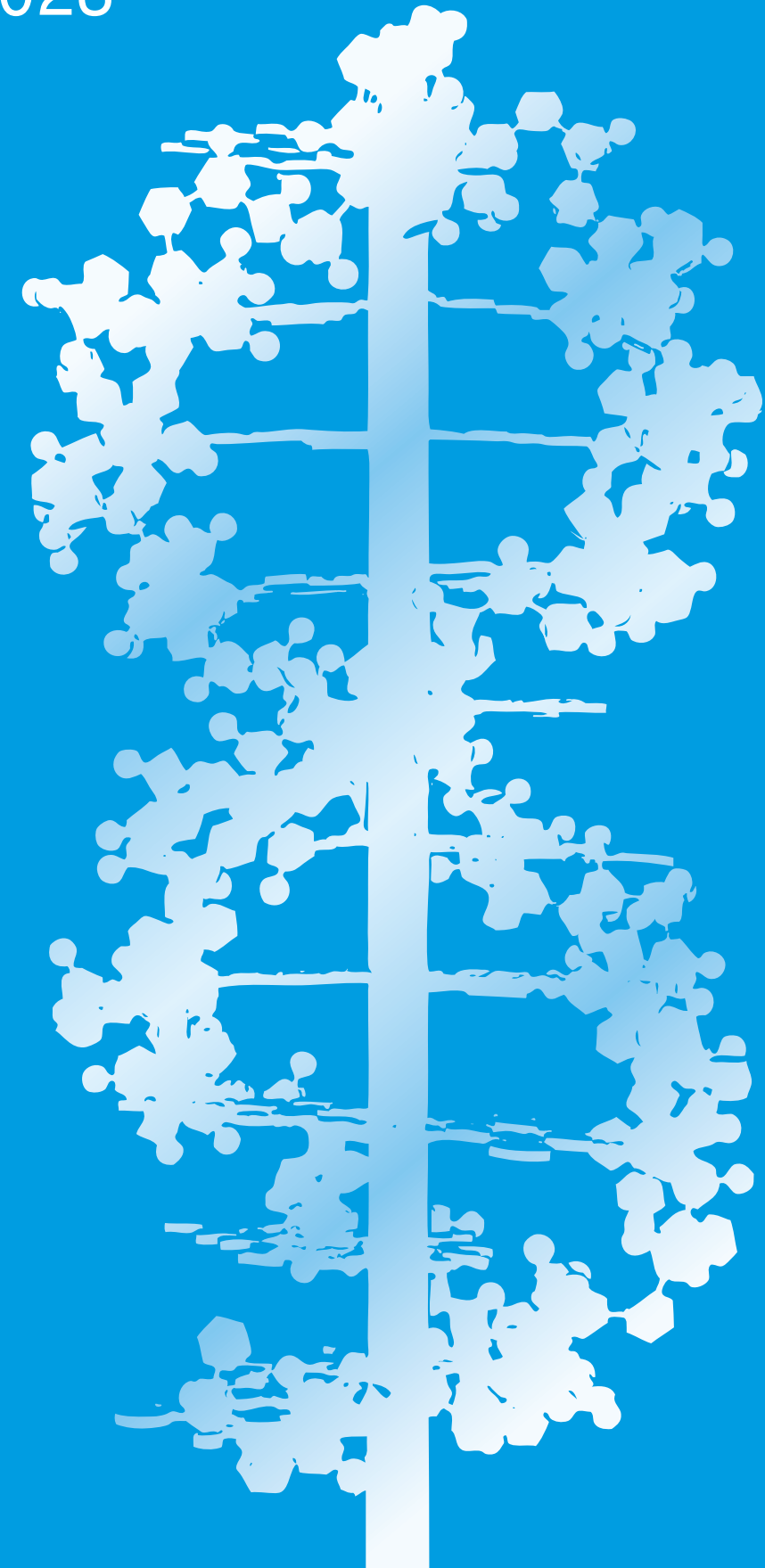
# Graduate School / Faculty of Bioresources, Mie University

2022-2023



Graduate School /  
Faculty of Bioresources,  
Mie University

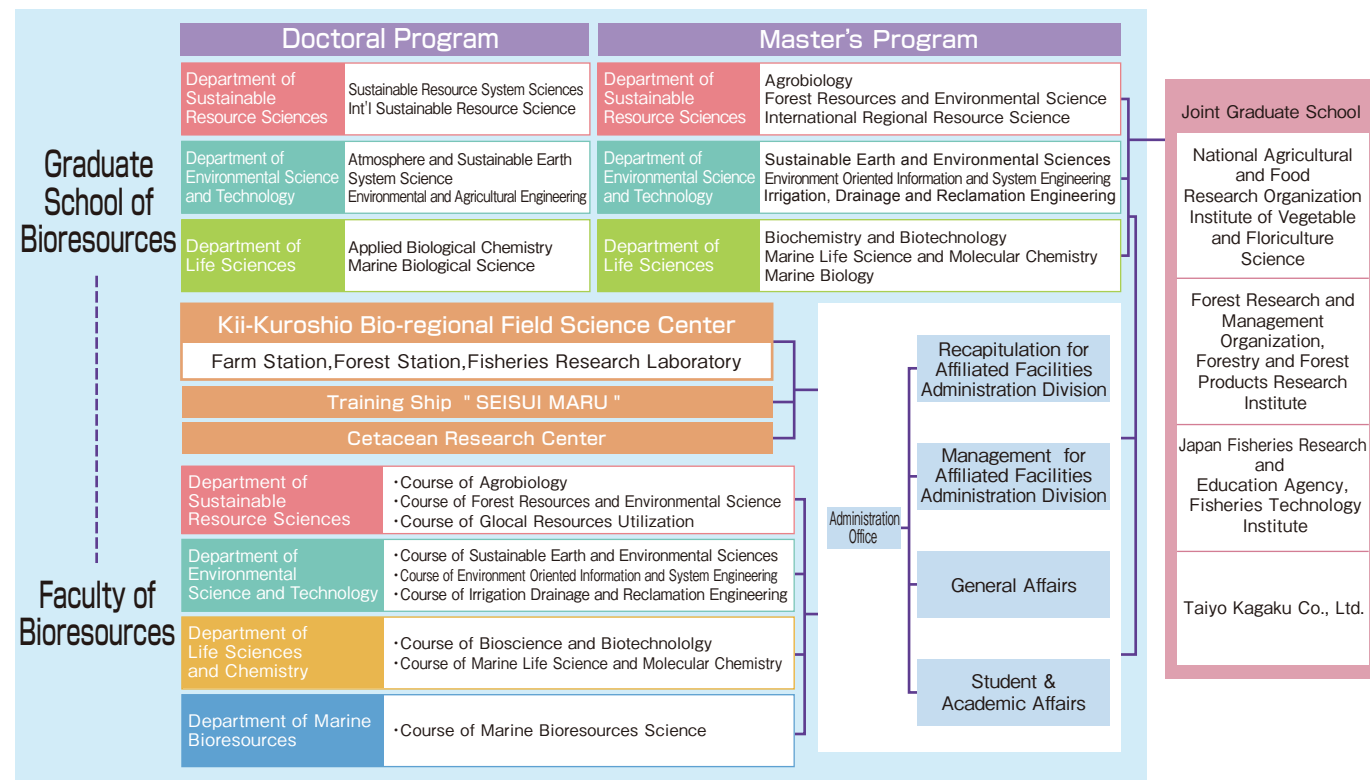
1577 Kurimamachiya-cho, Tsu, Mie, 514-8507 Japan  
Phone +81-59-231-9626 Fax +81-59-231-9634  
[www.bio.mie-u.ac.jp](http://www.bio.mie-u.ac.jp)



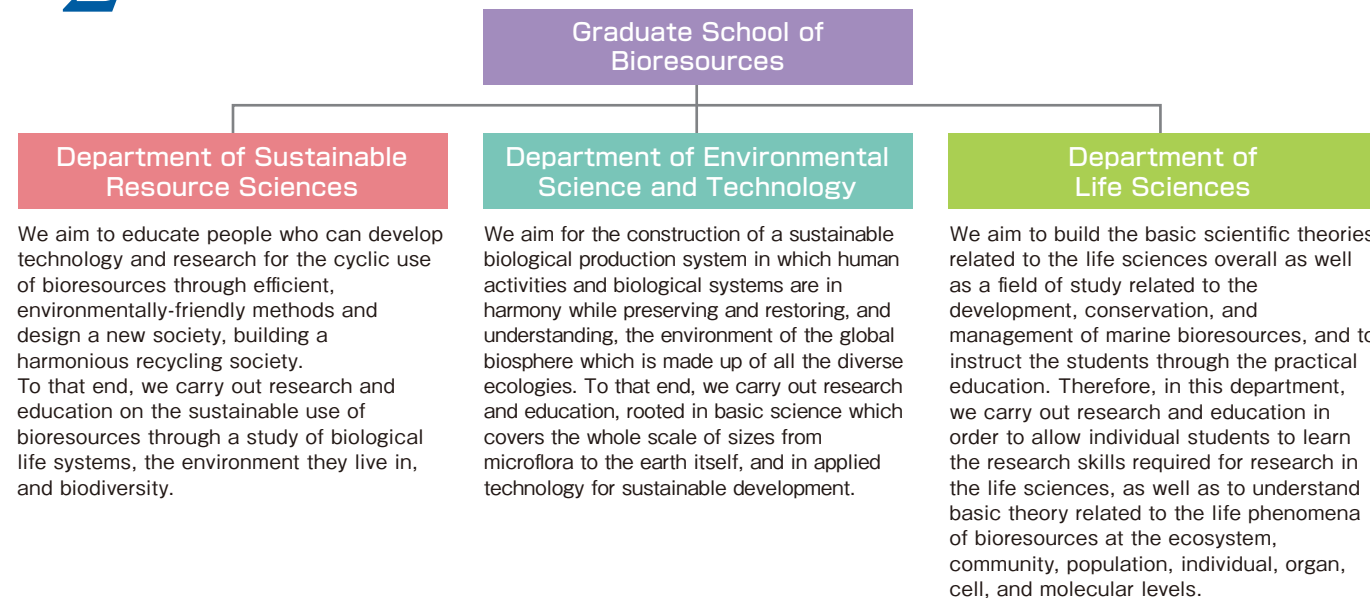
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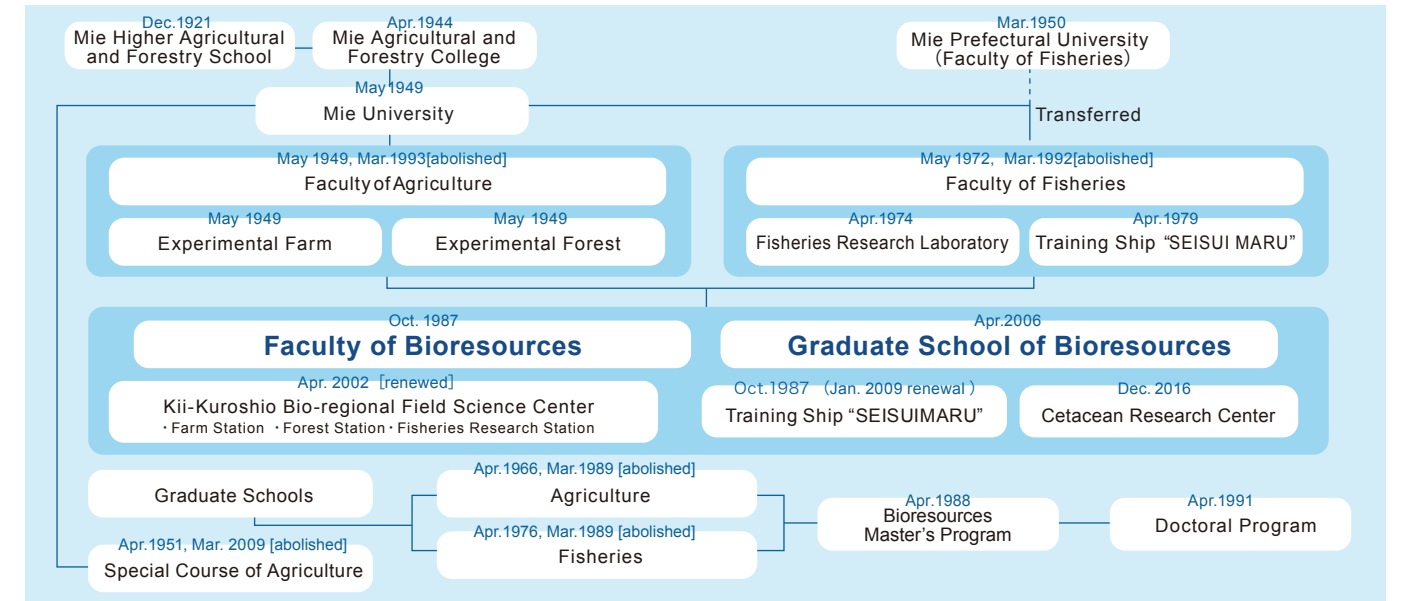
## 1 Organization



## 2 Outline of Departments



## 3 Historical Chart



## 4 Administrative Staff

As of Apr.1st, 2022

| Executive  | Name                | Term                         |
|--|---------------------|------------------------------|
| Dean   | MATSUMURA Naoto     | Apr.1st, 2022-Mar.31st, 2024 |
| Vice Dean for Educational Development                          | KOHBARA Jun         | Apr.1st, 2022-Mar.31st, 2024 |
| Vice Dean for Research Development                             | HASHIMOTO Atsushi   | Apr.1st, 2022-Mar.31st, 2024 |
| Assistant to the Dean for Research Project                     | TACHIBANA Yoshihiro | Apr.1st, 2022-Mar.31st, 2024 |
| Assistant to the Dean for Research Public Relations            | KISANUKI Hiromitsu  | Apr.1st, 2022-Mar.31st, 2024 |
| Assistant to the Dean for Student Support                      | NADA Kazuyoshi      | Apr.1st, 2022-Mar.31st, 2024 |
| Assistant to the Dean for Faculty Education                    | OKAJIMA Kenji       | Apr.1st, 2022-Mar.31st, 2024 |
| Director of Kii-Kuroshio Bio-regional Field Science Center     | WATANABE Kunio      | Apr.1st, 2022-Mar.31st, 2023 |
| Captain, Training Ship "SEISUI MARU"                           | MAEKAWA Yoichi      | Apr.1st, 2021-Mar.31st, 2023 |
| Director of Cetacean Research Center                           | YOSHIOKA Motoi      | Apr.1st, 2021-Mar.31st, 2023 |
| Head, Office for Graduate School of Bioresources               | TOGIYA Motohiro     | Apr.1st, 2020-               |
| Head, Office for Affiliated Facilities Administration Division | NORO Masatoshi      | Apr.1st, 2020-               |

## 5 Faculty Staff

As of Jul.1st, 2022

| Classification               | Registered Number |
|------------------------------|-------------------|
| Professor                    | 50                |
| Associate Professor          | 42                |
| Assistant Professor          | 14                |
| Clerical/Technical Employees | 43                |
| <b>Total</b>                 | <b>149</b>        |

## 6 Organization of Departments

### Graduate School of Bioresources - Doctoral Program

| Departments                          | Courses   | Research Fields  |
|--------------------------------------|---|--|
| Sustainable Resource Sciences        | Sustainable Resource System Sciences            | •Food Production Science ·Forest Resources and Environmental Science   |
|                                      | International Sustainable Resource Science      | •International Sustainable Resource Science  |
| Environmental Science and Technology | Atmosphere and Sustainable Earth System Science | •Atmosphere Ocean and Earth System Science<br>•Adaptive Watershed Management<br>•Earth System Analysis                                 |
|                                      | Environmental and Agricultural Engineering      | •Environment Oriented Information and System Engineering<br>•Regional Conservation Engineering<br>•Environmental and Ecosystem Science |
| Life Sciences                        | Applied Biological Chemistry                    | •Biochemistry and Biotechnology ·Marine Life Science and Molecular Chemistry   |
|                                      | Marine Biological Science                       | •Marine Biology  |

Department of Sustainable Resource Sciences

| Courses   | Laboratories                               | Position/Name   |
|---|--|---|
| Agrobiology   | Plant Molecular Genetics and Breeding      | Professor KAKEDA Katsuyuki [Professor SUWABE Keita]*  |
|   | Crop Science                               | Professor UMEZAKI Teruhisa Professor NAGASUGA Kiyoshi Associate Professor NAGAYA Yuichi           |
|   | Horticultural Crop Physiology              | Professor OKUDA Hitoshi Professor NADA Kazuyoshi  |
|   | Animal Production                          | Professor MATSUI Hiroki Associate Professor BAN Tomomi  |
|   | Grassland and Animal Feed Production       | Associate Professor KONDO Makoto  |
|   | Phytopathology                             | Professor NAKASHIMA Chiharu Associate Professor SHIROUZU Takashi                                  |
|   | Insect Ecology                             | Professor TSUKADA Morio   |
|   | Forest Resources and Environmental Science | Forest Conservation Ecology   |
| Forest Mycology                                     |  | Professor MATSUDA Yosuke Assistant Professor KITAGAMI Yudai                                       |
| Soil Science and Plant Nutrition                    |  | Associate Professor MIZUNO Takafumi   |
| Forest Environment and Sediment Control Engineering |  | Professor TSUTSUMI Daizo Associate Professor NUMAMOTO Shinya                                      |
| Forest Engineering                                  |  | Professor ISHIKAWA Tomoaki Associate Professor ITAYA Akemi  |
| Wood Science and Technology                         |  | Professor NAKAI Takahisa Associate Professor FUCHIGAMI Yuki Assistant Professor UCHISAKO Takayuki |
| Woody Biomass Science                               |  | Professor NONAKA Hiroshi Assistant Professor TOKUNAGA Yuki  |
| Forest Planning for the Environment                 |  | Professor MATSUMURA Naoto Associate Professor MATSUO Naoko  |
| International Regional Resource Science             | Sustainable Resource Economics             | Associate Professor NAKAJIMA Toru   |
|   | Farm Management and Rural Sociology        | Associate Professor NONAKA Akihisa  |
|   | Economic System of Bioresources            | Professor CHANG Qingxiu   |
|   | Global Plant Resource Science              | Professor SEKIYA Nobuhito   |
|   | Global Resource Utilization Science        | Associate Professor YOSHIHARA Yu  |

\* belongs to the Graduate School of Regional Innovation Studies

Department of Environmental Science and Technology

| Courses   | Laboratories                             | Position/Name  |
|---|--|--|
| Sustainable Earth and Environmental Sciences            | Atmosphere and Climate Dynamics          | Professor TACHIBANA Yoshihiro  |
|   | Meteorological Analysis and Prediction   | Associate Professor NISHII Kazuaki                                       |
|   | Ocean Climate                            | Associate Professor YAMADA Fukuji  |
|   | Ocean and Climate Change                 | Associate Professor MANDA Atsuyoshi                                      |
|   | Future Earth                             | Professor IJIMA Yoshihiro  |
|   | Earth System Evolution                   | Professor SAKAMOTO Tatsuhiko   |
|   | Water Environment and Natural Disasters  | Professor KUZUHA Yasuhisa  |
|   | Applied Environmental Studies            | [Professor OHNO Ken]**   |
| Environment Oriented Information and System Engineering | Environmental Information and Technology | Associate Professor FUKUSHIMA Takashi Assistant Professor TAKIZAWA Kenji |
|   | Productive Environment System            | Professor JINYAMA Ho   |
|   | Environmental Control in Biology         | Professor MURAKAMI Katsusuke   |
|   | Energy Utilization Engineering           | Professor WANG Xiu Lun   |
|   | Agricultural and Food Systems            | Professor MORIO Yoshinari Assistant Professor NAITO Hirotaka             |

| Courses  | Laboratories                           | Position/Name   |
|--|--|---|
| Irrigation, Drainage and Reclamation Engineering | Applied Geomorphology                  | Associate Professor MORIMOTO Hidetsugu                          |
|  | Soil Resources Engineering             | Professor SAKAI Toshinori Assistant Professor TANAKA Yoshikazu  |
|  | Water Resources Engineering            | Associate Professor KONDO Masaaki Assistant Professor ITO Ryoei |
|  | Environmental Facilities Engineering   | Professor OKAJIMA Kenji   |
|  | International Environment Conservation | Professor HOSSAIN Zakaria                                       |
|  | Vadose Zone Hydrology                  | Professor WATANABE Kunio  |
|  | Soil Physics and Hydrology             | Professor TORIDE Nobuo Associate Professor SAKAI Masaru         |

\*\* belongs to the Faculty of Center for General Education

Department of Life Sciences

| Courses   | Laboratories                                | Position/Name  |
|---|---|--|
| Biochemistry and Biotechnology                      | Molecular and Cellular Biology              | Associate Professor TAKEBAYASHI Shin-ichiro  |
|   | Molecular Bioinformatics                    | Associate Professor MIYAKE Hideo   |
|   | Biofunctional Chemistry                     | Professor INAGAKI Minoru   |
|   | Medicinal Chemistry                         | Associate Professor MASUDA Yuichi  |
|   | Bioorganic Chemistry                        | Associate Professor KATSUZAKI Hirotaka Associate Professor OKAZAKI Youzou  |
|   | Regulatory Biochemistry                     | Professor TERANISHI Katsunori  |
|   | Bioinformation and Food Engineering         | Professor HASHIMOTO Atsushi [Professor SUEHARA Ken-ichiro]*  |
|   | Food Chemistry                              | Associate Professor ISONO Naoto Associate Professor MISHIMA Takashi  |
|   | Applied Microbial Genetics                  | Professor KIMURA Tetsuya Assistant Professor KUNITAKE Emi  |
|   | Nutritional Chemistry                       | Associate Professor NISHIO Masahiro Assistant Professor KURIYA Kenji   |
| [Faculty] Department of Life Sciences and Chemistry | Fermentation Biology                        | Professor KARITA Shuichi Associate Professor UMEKAWA Midori  |
|   | Marine Biochemistry                         | Professor KAKINUMA Makoto Assistant Professor IGARASHI Yoji  |
|   | Utilization of Aquatic Bioresources         | Professor TAMARU Yutaka  |
|   | Molecular Chemistry and Aquatic Materials   | Associate Professor ITOH Tomohiro  |
|   | Biophysical Science                         | [Professor OOI Atsushi]**  |
|   | Muscle Biology                              | Professor FUNABARA Daisuke   |
|   | Marine Microbiology                         | Professor FUKUZAKI Satoshi Associate Professor TANAKA Reiji  |
|   | Quality in Marine Products                  | Professor AOKI Takahiko Associate Professor OKAZAKI Fumiyoshi  |
|   | Marine Food Chemistry                       | Associate Professor SHIBATA Toshiyuki  |
|   | Marine Life Science and Molecular Chemistry | Biological Oceanography  |
| Fish Physiology                                     |   | Professor KOHBARA Jun Associate Professor MIYAZAKI Taeko   |
| Phycology   |   | Associate Professor KURASHIMA Akira  |
| Shallow Sea Aquaculture                             |   | Professor MATSUDA Hirokazu Professor TSUTSUI Naoaki Assistant Professor YAMAMOTO Kosuke  |
| Fish Diseases                                       |   | Professor ISSHIKI Tadashi  |
| Fish Stock Enhancement                              |   | Professor YOSHIOKA Motoi Associate Professor YODO Taiga Associate Professor MORISAKA Tadamichi Associate Professor FUNASAKA Noriko |
| Marine Ecology                                      |   | Professor KIMURA Taeko   |
| Aqua Genetics                                       |   | Professor KOMARU Akira Assistant Professor HOUKI Shouji  |
| Molecular Ecology of Aquatic Animals                |   | Professor KAWAMURA Kouichi   |
| Fish Population Dynamics                            |   | Professor HARADA Yasushi Associate Professor KANAIWA Minoru  |
| [Faculty] Department of Marine Bioresources         | Fisheries Ethology                          | Associate Professor MORIKAWA Yoshitaka   |
|   | Applied Marine Informatics                  | Associate Professor OKABE Takumi   |

\* belongs to the Graduate School of Regional Innovation Studies \*\* belongs to the Faculty of Center for General Education



## Affiliated Facilities Administration Division

|  |  |   |   |  |
|--|--|---|---|--|
| Kii-Kuroshio Bio-regional Field Science Center | Farm Station                                 | Professor NAGASUGA Kiyoshi                        | Professor OKUDA Hitoshi                 | Associate Professor MISHIMA Takashi              |
|  | Forest Station                               | Associate Professor NUMAMOTO Shinya               | Associate Professor FUCHIGAMI Yuki      |  |
|  | Fisheries Research Laboratory                | Professor MATSUDA Hirokazu                        | Associate Professor OKABE Takumi        | Assistant Professor YAMAMOTO Kosuke              |
| Training Ship "SEISUI MARU"                    | Associate Professor MAEKAWA Yoichi (Captain) | Assistant Professor (Chief Officer) NAKAMURA Toru |   |  |
| Cetacean Research Center                       | Professor YOSHIOKA Motoi                     | Associate Professor MORISAKA Tadamichi            | Associate Professor FUNASAKA Noriko     |  |
| <b>Special Staff</b>                           | Specially Appointed Professor                | SAKKA Kazuo                                       | Specially Appointed Associate Professor | Thalagala Arachchige Tharanga Piyamali Thalagara |
|  | Specially Appointed Professor                | ISHIDA Masaaki                                    | Specially Appointed Associate Professor | Jagath Siri Kularatne                            |
| <b>Visiting Staff</b>                          | Visiting Professor                           | OKUMURA Katsuzumi                                 |   |  |

Cooperation Program between the "National Agriculture and Food Research Organization, Institute of Vegetable and Floriculture Science", "Forest Research and Management Organization, Forestry and Forest Products Research Institute", "Japan Fisheries Research and Education Agency, Fisheries Technology Institute", "Taiyo Kagaku Co., Ltd." and the Graduate School

| Majors                                     | Chairs  | Laboratories                       | Position/Name  |
|--|---|------------------------------------|--|
| Agrobiology                                | Institute of Vegetable and Floriculture Science, NARO   | Vegetable Genomics and Breeding    | Cooperative Professor IIDA Hiroyuki, NUNOME Tsukasa<br>Cooperative Associate Professor KAWAZU Youichi, KAKIZAKI Tomohiro |
| Forest Resources and Environmental Science | Kansai Research Center, Forestry and Forest Products Research Institute                       | Nature and Coexistence             | Cooperative Professor KANZAKI Natsumi<br>Cooperative Associate Professor OGASA Mayumi                                    |
|  | Department of Wood Properties and Processing, Forestry and Forest Products Research Institute | Wood Science and Technology        | Cooperative Professor ABE Hisashi<br>Cooperative Associate Professor FUJIMOTO Kiyohiko, SUGIYAMA Masaki, TOBA Keisuke    |
| Biochemistry and Biotechnology             | Taiyo Kagaku Co.Ltd   | Food Function                      | Cooperative Professor OKUBO Tsutomu, OZEKI Makoto  |
| Marine Biology                             | Japan Fisheries Research and Education Agency, Fisheries Technology Institute                 | Development and Metabolism Biology | Cooperative Professor MASAOKA Tetsuji, OKAMOTO Hiroyuki<br>Cooperative Associate Professor MURASHITA Koji                |

## 7 Number of Students

As of May 1st, 2022

| Faculty/Graduate School         | * Ad. Cap.   | 1st Year          |     |       | 2nd Year          |     |       | 3rd Year          |     |         | 4th Year          |     |       | Total             |     |       |     |          |     |     |      |
|---------------------------------|--|-------------------|-----|-------|-------------------|-----|-------|-------------------|-----|---------|-------------------|-----|-------|-------------------|-----|-------|-----|----------|-----|-----|------|
|                                 |  | Number Registered |     |       | Number Registered |     |       | Number Registered |     |         | Number Registered |     |       | Number Registered |     |       |     |          |     |     |      |
|                                 |  | M                 | F   | Total | M                 | F   | Total | M                 | F   | Total   | M                 | F   | Total | M                 | F   | Total |     |          |     |     |      |
| Faculty of Bioresources         | Department of Sustainable Resource Sciences        | 70                | 40  | 34    | 74                | 70  | 42    | 32                | 74  | 73(3)   | 39                | 36  | 75    | 73(3)             | 50  | 29    | 79  | 286(6)   | 171 | 131 | 302  |
|                                 | Department of Environmental Science and Technology | 70                | 49  | 25    | 74                | 70  | 51    | 21                | 72  | 73(3)   | 51                | 25  | 76    | 73(3)             | 62  | 24    | 86  | 286(6)   | 213 | 95  | 308  |
|                                 | Department of Life Sciences and Chemistry          | 80                | 30  | 53    | 83                | 80  | 32    | 51                | 83  | 82(2)   | 32                | 49  | 81    | 82(2)             | 41  | 52    | 93  | 324(4)   | 135 | 205 | 340  |
|                                 | Department of Marine Bioresources                  | 40                | 29  | 12    | 41                | 40  | 29    | 13                | 42  | 42(2)   | 29                | 12  | 41    | 42(2)             | 29  | 13    | 42  | 160(4)   | 116 | 50  | 166  |
|                                 | <b>Total</b>                                       | 260               | 148 | 124   | 272               | 260 | 154   | 117               | 271 | 270(10) | 151               | 122 | 273   | 270(10)           | 182 | 118   | 300 | 1060(20) | 635 | 481 | 1116 |
| Graduate School of Bioresources | Master's Program                                   | 88                | 66  | 33    | 99                | 88  | 50    | 35                | 85  |         |                   |     |       |                   |     |       |     | 176      | 116 | 68  | 184  |
|                                 | Doctoral Program                                   | 12                | 12  | 1     | 13                | 12  | 9     | 6                 | 15  | 12      | 6                 | 4   | 10    |                   |     |       |     | 36       | 27  | 11  | 38   |

\* Admission Capacity

Numbers in parentheses show incorporated admission capacity

## 8 Number of Graduates

As of Mar.31st, 2022

| Classification                                   | Term (Academic year) | Number of graduates                  |
|--|----------------------|--------------------------------------|
| Mie Higher Agricultural and Forestry School      | 1924~1942            | 1,931                                |
| Mie Agricultural and Forestry College            | 1944~1951            | 1,627                                |
| Mie University, Faculty of Agriculture           | 1952~1992            | 6,978                                |
| Mie Prefectural University, Faculty of Fisheries | 1953~1974            | 995                                  |
| Mie University, Faculty of Fisheries             | 1975~1992            | 944                                  |
| Mie University, Faculty of Bioresources          | 1991~2021            | 8,381                                |
| Graduate School of Agriculture (Master Course)   | 1967~1988            | 378                                  |
| Graduate School of Fisheries (Master Course)     | 1977~1988            | 107                                  |
| Graduate School of Bioresources(Master Course)   | 1989~1992            | 152                                  |
| (Master's Program)                               | 1992~2021            | 2,847                                |
| (Doctoral Program)                               | 1993~2021            | 440 (Including Dissertation Doctors) |
| Special Course of Agriculture                    | 1951~2008            | 609                                  |

## 9 Partner Universities

As of Apr.1st, 2022

| Universities                       | Countries & Regions | Concluded      | Universities                                      | Countries & Regions | Concluded      |
|------------------------------------|---------------------|----------------|---|---------------------|----------------|
| Jiangsu University                 | China               | Jan.15th, 1986 | King Monqkut's University of Technology Thonburi* | Thailand            | Oct.20th, 2009 |
| Chiang Mai University              | Thailand            | Aug.22nd, 1989 | University of Haluoleo                            | Indonesia           | Jul.23rd, 2010 |
| Guangxi University                 | China               | Apr.21st, 1995 | Universitas Padjadjaran                           | Indonesia           | Feb.24th, 2012 |
| Pukyong National University*       | Republic of Korea   | Sep.22nd, 1995 | Universidad Nacional Agraria La Molina            | Peru                | Aug.23rd, 2013 |
| Shanghai Ocean University          | China               | Oct.16th, 1995 | Fiji National University                          | Fiji                | May 5th, 2014  |
| Jiangnan University                | China               | Mar.30th, 1998 | University of the South Pacific                   | Fiji                | May 6th, 2014  |
| Kasetsart University               | Thailand            | Dec.23rd, 1999 | Can Tho University                                | Vietnam             | Sep.12th, 2014 |
| Suranaree University of Technology | Thailand            | Sep.8th, 2000  | National Sun Yat-sen University                   | Taiwan              | Nov.4th, 2014  |
| IPB University                     | Indonesia           | Sep.24th, 2001 | University of Zambia                              | Zambia              | Nov.11th, 2014 |
| Thammasat University               | Thailand            | Feb.27th, 2004 | Universiteit Gent*                                | Belgium             | Mar.9th, 2015  |
| Bangladesh Agricultural University | Bangladesh          | Mar.15th, 2004 | Jeju National University                          | Republic of Korea   | Sep.14th, 2015 |
| Universiti Putra Malaysia          | Malaysia            | Sep.19th, 2006 | Pathein University*                               | Myanmar             | Dec.4th, 2016  |
| Sriwijaya University               | Indonesia           | Nov.6th, 2007  | Universiti Malaysia Terengganu                    | Malaysia            | Nov.28th, 2017 |
| Nanjing Tech University            | China               | Jul.7th, 2008  | Central Luzon State University*                   | Philippines         | Aug.1st, 2018  |
| Anhui Agricultural University      | China               | Oct.21st, 2008 | National Taiwan Ocean University                  | Taiwan              | Jan.3rd, 2019  |
| Maejo University                   | Thailand            | Mar.31st, 2009 |   |                     |                |

\* Collaborative activities with the Faculty/Graduate School of Bioresources.

## 10 Number of International Students

As of May 1st, 2022

| Countries    | Faculty of Bioresources |                     | Graduate School of Bioresources |                     |                  |                     | Total     |
|--------------|-------------------------|---------------------|---------------------------------|---------------------|------------------|---------------------|-----------|
|              | Degree Students         | Non-Degree Students | Master's Program                |                     | Doctoral Program |                     |           |
|              |                         |                     | Degree Students                 | Non-Degree Students | Degree Students  | Non-Degree Students |           |
| China        |                         | 1                   | 4                               | 2                   | 7                |                     | 14        |
| Indonesia    |                         |                     | 1                               | 1                   | 3                |                     | 5         |
| Malaysia     |                         |                     | 2                               |                     | 1                |                     | 3         |
| Philippines  |                         |                     | 2                               |                     | 1                |                     | 3         |
| Egypt        |                         |                     | 1                               |                     | 1                |                     | 2         |
| Korea        | 1                       | 1                   |                                 |                     |                  |                     | 2         |
| Bangladesh   |                         |                     |                                 |                     | 1                |                     | 1         |
| Others       |                         | 1                   | 3                               |                     | 4                |                     | 8         |
| <b>Total</b> | <b>1</b>                | <b>3</b>            | <b>13</b>                       | <b>3</b>            | <b>18</b>        |                     | <b>38</b> |

# 11 Asahidoboku Co. Ltd. Scholarship

In the year 2014, a scholarship fund was raised by the donation of "Asahidoboku Co. Ltd." which ran general construction industry and recycling business of the construction by-product. Actually it was aimed to non-returnable financial support to the international students. In addition, one can apply even if he or she is receiving scholarship from any other organization.

|                |  |
|----------------|--|
| Amount         | 600,000yen (for a year)  |
| Term           | Two years  |
|                | To economically support to the excellent students who have intention to engage in researches or projects related to agriculture and civil engineering in the future. |
| No. of persons | One person (※Note below)   |
| Target         | An international student enrolled at the Graduate School (1st year of Master's Program)  |
| Application    | In April   |

※Contact the office for Graduate School of Bioresources about applying for this scholarship

# 12 Research Expenditures

Grant-in-Aid for Scientific Research (Unit:1,000yen) As of Mar.31st, 2022

| Subject for Research   | 2017 Academic Year |               | 2018 Academic Year |               | 2019 Academic Year |                | 2020 Academic Year |                | 2021 Academic Year |                |
|--|--------------------|---------------|--------------------|---------------|--------------------|----------------|--------------------|----------------|--------------------|----------------|
|  | Number             | Amount        | Number             | Amount        | Number             | Amount         | Number             | Amount         | Number             | Amount         |
| Grant-in-Aid for Scientific Research on Innovative Areas   |                    |               | 1                  | 1,600         | 2                  | 18,100         | 2                  | 28,500         | 2                  | 40,100         |
| Grant-in-Aid for Scientific Research (A)   | 1                  | 6,100         |                    |               | 1                  | 8,700          | 1                  | 9,200          | 1                  | 6,600          |
| Grant-in-Aid for Scientific Research (B)   | 5                  | 21,400        | 6                  | 21,400        | 8                  | 31,600         | 11                 | 45,200         | 11                 | 42,000         |
| Grant-in-Aid for Scientific Research (C)   | 28                 | 35,500        | 33                 | 36,600        | 33                 | 34,100         | 32                 | 36,000         | 31                 | 31,400         |
| Grant-in-Aid for Challenging Research (Pioneering)   |                    |               | 1                  | 5,400         | 1                  | 9,000          | 1                  | 4,400          |                    |                |
| Grant-in-Aid for Challenging Research (Exploratory)(Including Grant-in-Aid for Challenging Exploratory Research) | 8                  | 9,800         | 6                  | 11,500        | 5                  | 9,000          | 4                  | 5,100          | 2                  | 3,900          |
| Grant-in-Aid for Young Scientists (A)  | 1                  | 1,300         | 1                  | 1,800         | 1                  | 1,800          | 1                  | 1,100          |                    |                |
| Grant-in-Aid for Young Scientists (Including Grant-in-Aid for Young Scientists(B))                               |                    |               | 3                  | 2,400         | 5                  | 6,000          | 5                  | 4,600          | 9                  | 11,000         |
| Grant-in-Aid for Research Activity Start-up  | 1                  | 1,100         | 2                  | 1,900         |                    |                |                    |                |                    |                |
| Grant-in-Aid for Publication of Scientific Research Results  |                    |               |                    |               |                    |                |                    |                |                    |                |
| Grant-in-Aid for JSPS Fellows  | 2                  | 2,300         | 3                  | 2,700         | 4                  | 3,600          | 2                  | 1,900          |                    |                |
| <b>Total</b>   | <b>46</b>          | <b>77,500</b> | <b>56</b>          | <b>85,300</b> | <b>60</b>          | <b>122,200</b> | <b>59</b>          | <b>136,000</b> | <b>56</b>          | <b>135,000</b> |

Collaborative Research (Unit:1,000yen) As of Mar.31st, 2022

|        | 2017 Academic Year | 2018 Academic Year | 2019 Academic Year | 2020 Academic Year | 2021 Academic Year |
|--------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Number | 81                 | 112                | 117                | 98                 | 101                |
| Amount | 47,387             | 77,010             | 66,566             | 63,170             | 59,185             |

Contracted Research (Unit:1,000yen) As of Mar.31st, 2022

|        | 2017 Academic Year | 2018 Academic Year | 2019 Academic Year | 2020 Academic Year | 2021 Academic Year |
|--------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Number | 40                 | 45                 | 44                 | 48                 | 49                 |
| Amount | 89,818             | 94,023             | 98,124             | 126,083            | 228,194            |

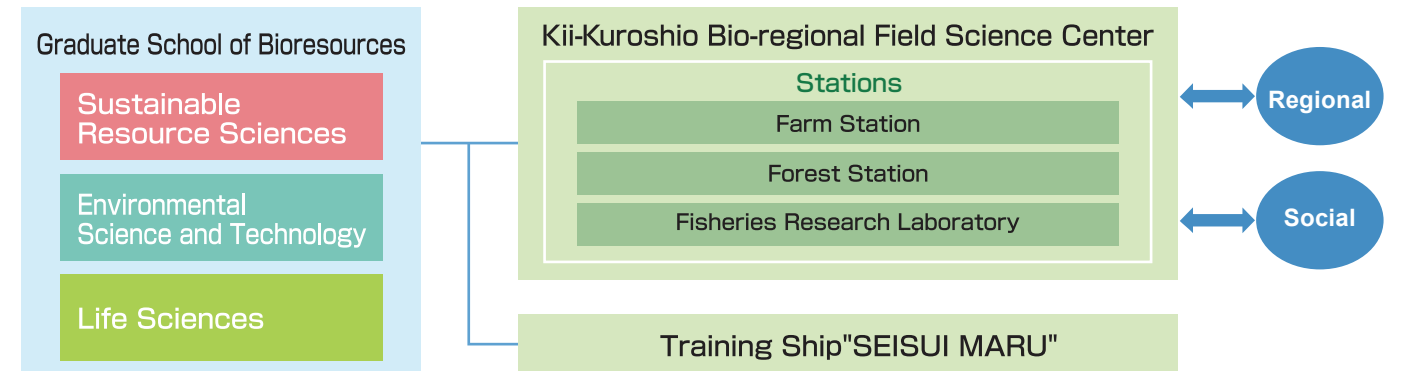
Grants and Endowments (Unit:1,000yen) As of Mar.31st, 2022

|        | 2017 Academic Year | 2018 Academic Year | 2019 Academic Year | 2020 Academic Year | 2021 Academic Year |
|--------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Number | 49                 | 58                 | 62                 | 56                 | 53                 |
| Amount | 39,784             | 41,182             | 40,415             | 27,384             | 32,791             |

# 13 Kii-Kuroshio Bio-regional Field Science Center

This center is independently or jointly pursuing practical education and applied research on the coexistence of human life and nature with in the ecosystems ranging from the Kii Peninsula to the Kuroshio Current.

## Kii-Kuroshio Bio-regional Field Science Center Related Organizations



## Farm Station

The experimental farm is located about 9.5km northwest from the main campus of the university. The total area of the farm is 35ha including fields for rice, crops, vegetables, pastures and orchards. There are several greenhouses for some vegetables and flowers, and facilities for cattle and experimental ruminant animals. There are also facilities for the study of processing of agricultural products. These field, animal, and crop processing facilities are being utilized by both research staff for field science and for laboratory studies, and by faculty staff who are responsible for the farming of undergraduate students.



Farm Station

## Forest Station

The experimental forest, about 457ha in area, is located about 60km southwest of the university. Natural forests, about 60 percent in area, represent the typical plant ecosystem in the northern parts of the Kii Peninsula. Forests and the lodging house are open to the public and used widely for research and education.



Forest Station, office and accommodation for student

## Fisheries Research Laboratory

Fisheries Research Laboratory is located on the west side of Ise Bay's mouth with a rich ecosystem and fisheries resources. The laboratory provides appropriate opportunities and facilities for students to learn about fishery science and the biology of plankton, algae, invertebrates and fishes. In the laboratory, the faculty staff and graduate students research the population ecology of aquatic resources, data science of fisheries, and effective utilization of fisheries products.



Fisheries Research Laboratory

# 14 Training Ship "SEISUI MARU"

The ship provides educational and research facilities for student practice and research activities of both the faculty staff and students. In January 2009, it was built, and equipped with new electric nautical marine research instruments.



Training Ship "SEISUI MARU"

|                               |  |
|-------------------------------|--|
| Ship's Name                   | SEISUI MARU                                    |
| Gross Tonnage (G/T)           | 318 tons                                       |
| Gross Tonnage (International) | 491 tons                                       |
| Length                        | 50.90 m  |
| Breadth (Molded)              | 8.60 m   |
| Depth (Molded)                | 3.75 m   |
| Main Propulsion Motor         | 1,000 kW                                       |
| Sea Speed                     | 10.0 Kt.                                       |
| Cruising Distance             | 3,500 miles                                    |
| Complement                    | 44 P   |
| Date of Building              | Jan. 2009                                      |
| Dockyard                      | Mitsubishi Heavy Industries, Ltd., Shimonoseki |



# 15 Cetacean Research Center (CRC)

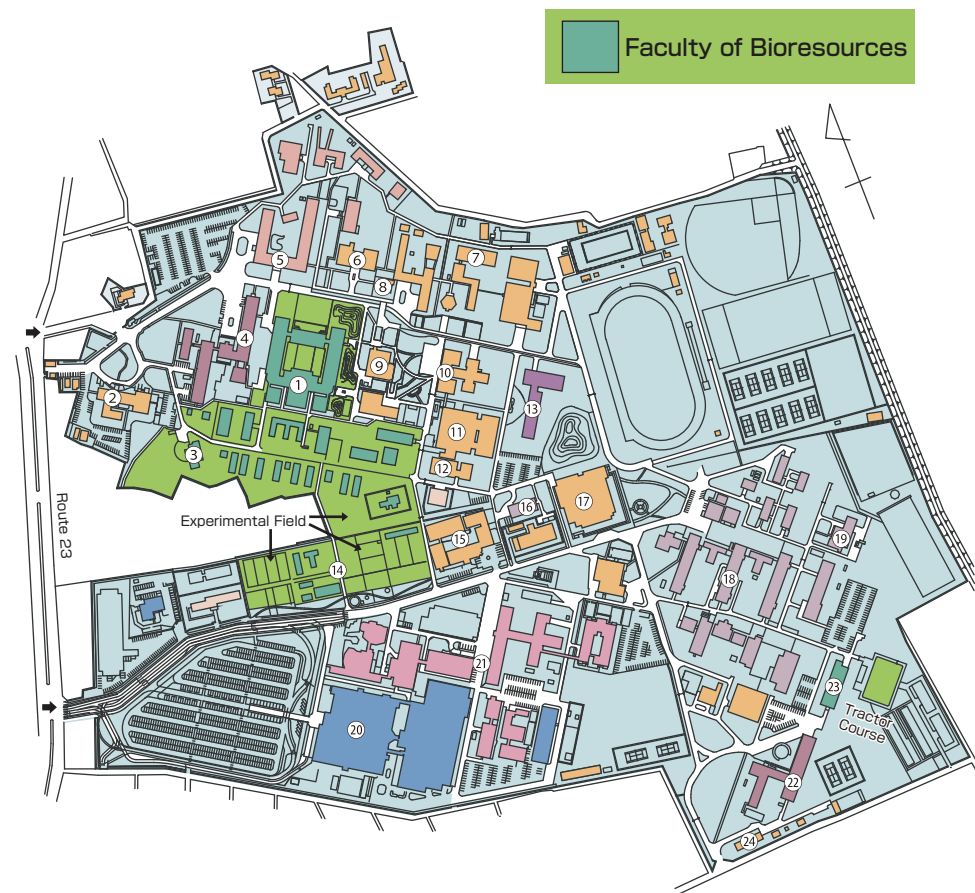
Cetacean Research Center was established in December, 2016 to study reproductive biology and ecology of cetaceans in captivity and in the wild. CRC is the Integrated Research Building II.

# 16 Sansui Kaikan

Sansui Kaikan, which was built in August 1936, is the oldest building on the Kamihama campus and has been registered as a cultural asset. This building, once managed as an accommodation for visiting lecturers and other visitors and supported by donations from graduates of the former Mie Higher Agricultural and Forestry School, is currently being utilized for meetings and other beneficial purposes.



# 17 Map of Facility Arrangement



1. Faculty of Bioresources
2. Administration Bureau
3. Sansui Kaikan
4. Integrated Research Building II (Organization for Student Affairs, Center for International Education and Research, Center for Physical & Mental Health)
5. Faculty of Education
6. Center for Future Teachers and School Support
7. Center for General Education
8. Center for Mathematical and Data Science
9. Cafeteria
10. Mie Environmental & Informational Platform (MEIPL)
11. University Library
12. Center for Information Technologies and Networks
13. Faculty of Humanities, Law and Economics
14. Experimental Watertanks
15. Graduate School of Regional Innovation Studies
16. Open Innovation Facilities
17. Auditorium (Sansui Hall)
18. Faculty of Engineering
19. Research Institutes for Excellence
20. University Hospital
21. Faculty of Medicine
22. Integrated Research Building I
23. Experimental Facility for Manufacturing Marine Food
24. Raymond Hall

# 18 Land and Buildings

| Classification                                 | Land                           | Buildings                   |
|--|--------------------------------|-----------------------------|
| Faculty of Bioresources                        | < 528,040 m <sup>2</sup>       | 32,529 m <sup>2</sup>       |
| Kii-kuroshio Bio-regional Field Science Center |                                |                             |
| Farm Station                                   | 353,179 m <sup>2</sup>         | 7,598 m <sup>2</sup>        |
| Forest Station                                 | 4,569,562 m <sup>2</sup>       | 1,421 m <sup>2</sup>        |
| Fisheries Research Laboratory                  | 1,298 m <sup>2</sup>           | 606 m <sup>2</sup>          |
| Training Ship "SEISUI MARU"                    |                                |                             |
| Training Ship Base                             | 1,356 m <sup>2</sup>           | 574 m <sup>2</sup>          |
| <b>Total</b>                                   | <b>5,453,435 m<sup>2</sup></b> | <b>42,728 m<sup>2</sup></b> |

< > : Kamihama Area

# 19 Addresses

| Name   | Post Code | Mailing Address   | Telephone Number                    | FAX Number                         |
|--|-----------|---|-------------------------------------|------------------------------------|
| Faculty of Bioresources                        | 514-8507  | 1577 Kurimamachiya-cho, Tsu-city                        | +81-59-231-9626                     | +81-59-231-9634                    |
| Kii-Kuroshio Bio-regional Field Science Center | 514-2221  | 2072-2 Takanoo-cho, Tsu-city                            | +81-59-230-0044                     | +81-59-230-1463                    |
| Farm Station                                   | 514-2221  | 2072-2 Takanoo-cho, Tsu-city                            | +81-59-230-0044                     | +81-59-230-1463                    |
| Forest Station                                 | 515-3532  | 2735 Kawakami, Misugi-cho, Tsu-city                     | +81-59-274-0135                     | +81-59-274-1171                    |
| Fisheries Research Laboratory                  | 517-0015  | 641-9 Ohama-cho, Toba-city                              | +81-599-37-7310                     | +81-599-37-7311                    |
| Training Ship "SEISUI MARU"                    |           | (Matsusaka Port Telephone)<br>(Auto Shipping Telephone) | +81-598-50-1066<br>+81-90-3022-8767 | +81-598-50-1066<br>+81-3-6888-6079 |
| Training Ship Base                             | 515-0001  | 1819-18 Ookuchi-cho, Matsusaka-city                     | +81-598-51-0710                     | +81-598-51-8849                    |
| Cetacean Research Center                       | 514-8507  | 1577 Kurimamachiya-cho, Tsu-city                        | +81-59-231-6979                     | —                                  |

# 20 Location Map of Mie University

## Access Routes to Mie University

| Route                                 | Time   | Transfer          | Final Step    |
|---------------------------------------|--------|-------------------|---------------|
| By Kintetsu Express                   |        |                   |               |
| From Nagoya Kintetsu Nagoya Station   | 60min  | Echobashi Station | By walk 15min |
| From Kyoto/Osaka Ise-Nakagawa Station | 15min  |                   |               |
| By Kintetsu Limited Express           |        |                   |               |
| From Nagoya Kintetsu Nagoya Station   | 50min  | Tsu Station       | By bus 15min  |
| From Osaka Kintetsu Namba Station     | 90min  |                   | By taxi 10min |
| From Kyoto Kyoto Station              | 110min |                   |               |

- ① By bus from Tsu Station  
Bus stop No. 4.  
Take bus route 06,51,52,53 or 56.  
The nearest bus stops:  
"Mie Daigaku Mae" to Faculty of Bioresources
- ② By taxi from Tsu Station (ca.10min)
- ③ On foot from Echobashi Station (ca.15min)
- ④ By Tsu Airport Line (Speed Boat) from Central Japan International Airport (Centrair) to Nagisamachi (Tsu-city Marina) (ca.45min)
- ⑤ By bus from Nagisamachi to Tsu Station (ca.15min)
- ⑥ By taxi from Nagisamachi to Tsu Station (ca.10min)

