

## 研究科長からのメッセージ

### Message from the Dean



環境生命科学研究所長  
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環境生命科学研究所は、自然科学系総合大学院として昭和62年4月に誕生した自然科学研究科から文理医融合型大学院として平成17年4月に環境学研究科が独立した後に、自然科学研究科の農学系分野と環境学研究科が平成24年4月に再合流して誕生しました。

本研究科は、今日の爆発的人口増加に直面する人類社会の喫緊的課題である“環境と食料”について、総合横断的に解決することを目的とした教育研究の場です。その目的を達成するために、この組織は、基礎学部である環境理工学部と農学部だけでなく、資源植物科学研究所や医学系の教員も所属するなど、2専攻（環境科学専攻、農生命科学専攻）に合計10講座（都市環境創成学講座、農村環境創成学講座、環境生態学講座、人間生態学講座、循環型社会形成学講座、物質エネルギー学講座、生物機能化学講座、植物ストレス科学講座、植物機能開発学講座、動物機能開発学講座）を有する極めて幅広い専門分野から構成されています。その中で、(1) 物質エネルギー変換を含む基礎的な自然・社会・生命現象の解明と応用、(2) 社会基盤と生存環境の創出、(3) 環境負荷を考慮した食料の需給バランスの継続的維持など、に関する教育と研究が活発に行われています。この特色的な教育研究を通して、(a) 生活環境と自然環境との調和による快適な循環型社会を構築するとともに、(b) 人類の生存基盤である持続的食料生産を実現する、複眼的視野と高度な専門能力を有する先導的人材を育成しています。本研究科では、前者に関連する専門的教育研究を主に環境科学専攻が、後者のそれを農生命科学専攻が担当するとともに、この両者を横断した種々の教育科目や教育研究プロジェクトだけでなく、他研究科と連携した医農融合教育及び異分野融合研究などを通して、学際的専門能力の教授にも努めています。

“環境と食料”の課題は、わが国だけでなく、アジア・アフリカ諸国など世界各国で山積しています。世界のリーディング大学と伍して、教育・研究・社会貢献で創造的知性を牽引する大学を目指す岡山大学の一員として、本研究科は、地域社会や世界の国々との密接に連携した実践的な教育研究を通して、国際的視野を持つ“グローバル”（Think globally, act locally）な人材の育成を目指しています。留学生受け入れや日本人学生の海外フィールドへの派遣、国際学会での成果発表の奨励などにも注力しています。今後も、国内外から呼び込んだ多くの学生が教員とともに没頭できる魅力ある研究プロジェクトや教育プログラムの開発に引き続き取り組み、環境生命科学色に輝く Academia として、地域・国際社会に貢献していきます。

一人でも多くの学生が、私たち教職員が準備する“Global Gate for Learning”の向こうにあるフィールドに飛び込み、様々な課題に自ら気付き、学び、解決する術を見出す喜びを体験し、その一燈を掲げて、地域・国際社会で存分に活躍してくれることを期待しています。

The Graduate School of Environmental and Life Science was established in April 2012 when the Graduate School of Environmental Science, a graduate school integrated with social, natural and medical sciences, which became independent from the Graduate School of Natural Science and Technology in April 2005, rejoined with the Division of Agricultural and Life Science of the Graduate School of Natural Science and Technology, which was established in April 1986 as a comprehensive graduate school of the natural sciences.

This Graduate School is an academic place for education and research aimed to solve comprehensively and cross-cuttingly about 'the environment and foods' which is the urgent issue of human society facing today's explosive population increase. In order to achieve this purpose, not only the faculty members in the Faculties of Environmental Science & Technology and Agriculture, or the Institute of Plant Science & Resources, but also the medical faculty members, belong to this organization. This Graduate School consists of a wide range of specialized fields, including totally ten departments (Departments of Urban Environment development, Rural Environment Management, Environmental Ecology, Human Ecology, Sound Material-Cycle Science, Material & Energy Science, Biofunctional Chemistry, Plant Stress Science, Plant Science, and Animal Science) in two major divisions (Divisions of Environmental Science, and Agricultural & Life Science). Among those fields, we are actively carrying out specific education and research on (1) basic nature, social or life phenomena including material energy conversion and the applications, (2) creation of infrastructures and living environment, and (3) continuous maintenance of the balance of supply and demand of food taking environmental load into account, etc. Through this characteristic education and research, we are nurturing leaders who have multi-lens perspectives and a high level of professional skills to realize (a) the development of a comfortable recycling-oriented society by harmonizing the living environment with the natural environment and (b) a sustainable food production necessary as the foundation of human existence. In this Graduate School, the professional education and research related to the former (a) is mainly directed by the Division of Environmental Science, and the latter (b) is handled by the Division of Agricultural & Life Science. Through interdisciplinary educations and the research projects not only in this graduate school but also in collaboration with other graduate schools, we are also working on the training of interdisciplinary professional abilities.

The issues of "environment and foods" have been piled up not only in Japan, but also in other countries, especially in Asia and Africa countries. As a member of the Okayama University aiming to become a university creating the intelligence through education, research and contribution to societies as a leading university in the world, this Graduate School aims to train "GLOCAL" (Think globally, act locally) professionals with an international perspective, through our practical education and research in in close collaboration with local communities and countries around the world. We are also making efforts to accept international students, dispatch Japanese students to overseas fields, and encourage presentations at international conferences. We will continue to develop and develop attractive research projects and educational programs in which many students from home and abroad countries can devote with our faculty members, and contribute to regional and international societies as Academia that shines in the color of Environmental and Life science.

I sincerely hope that as many students as possible will jump into the field beyond our "Global Gate for Learning" to experience the pleasures of finding out the bright power to notice, learn and solve themselves to various problems, and consequently that they will be active in the local and international communities with the power.