

Research Focuses

The University of Kassel excels as a strong advocate of environmental research. For an extensive understanding of complex problems we integrate expertise from natural, technical and cultural sciences. This allows advanced interdisciplinary cooperation. Innovative problem solving methods are developed and applied leading to solutions for diverse aspects of life. In environmental research the Kassel University focuses on:

- Bioenergy Research
- Climate Change Mitigation and Adaptation
- Environmentally Conscious Design and Construction
- Environmental Systems Modelling
- Integrated Water Management
- Renewable Energies and Energy Efficiency
- Sustainable Resource Management
- Urban and Regional Research

www.uni-kassel.de/umwelt

Research Institutions

The environmental tradition of the University of Kassel is reflected by its research institutions. By an interdisciplinary approach Kassel undertakes pioneering research with a focus on current, problem-oriented applications. Our research institutes provide scientific skills in several environmental issues, like environmental modelling, renewable energies and decentralised power supply engineering, water and waste management, organic agriculture and food business, and energy efficiency. Some of the major institutions are:

- Centre for Environmental Systems Research (CESR)
- Institute for Solar Energy Supply Technology (ISET)
- Institute of Thermal Engineering (ITE)
- Institute of Water, Waste and Environment (IWAW)
- Faculty of Organic Agricultural Sciences
- Centre for Sustainable Building (ZUB)

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Selection of Current Research Projects

- „Network for climate adaptation in the model region of northern Hesse (Klimzug-Nordhessen)“ (Federal Ministry of Education and Research 2008 - 2013)
- „Securing the Conservation of NATURA Grassland Habitats with a Distributed Bioenergy Production (PRO-GRASS)“ (LIFE+ - European Union 2008 - 2011)
- „Agent-based modeling and control of material flow innovations (AMoSS)“ (Federal Ministry of Education and Research 2007 - 2019)
- „IDEnt - Application of RFID-technology as an innovation for a resource optimised and data protected recycling and waste management“ (German Research Foundation 2008 - 2010)

Research Transfer

The „UniKasselTransfer“ and „East-West-Science Centre“ have a unique approach to mediate between research and enterprise. They offer a broad range of services for the transfer of knowledge and technology from the University of Kassel.

www.uni-kassel.de/transfer
www.owwz.de/



Contact

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University of Kassel

Excellence in Environmental Sciences



Environmental Profile

Since the foundation of our University attitude towards the environment has always been an important part of our leading edge science. As a modern



Prof. Dr. Rolf-Dieter Postlep
President of Kassel University

University we face the responsibilities and challenges of mankind and the environment by offering a unique combination of (i) highly innovative, interdisciplinary and practice-orientated academic standards, (ii) employment success and (iii) an excellent location in the surrounding of cultural and historical heritage.

At the University of Kassel more than 60 professors and more than 300 scientific employees work on environmental questions within departments, interdisciplinary research centres and institutes. Their research and teaching activities contribute to over 200 environmental courses that are offered each academic year. Thus we are able to offer a whole range of integrative study programmes and unparalleled research expertise involving environmental aspects beyond the usual borders of scientific fields.

Whether you are interested in continuing your studies straight from university or looking for research partner institutions, a change of direction or to enhance your career prospects, the University of Kassel will meet your demands.

I cordially invite you to take a closer look at the way we deal with environmental issues and to confirm our excellent offer in study and research in the environmental area.

Rolf-Dieter Postlep

Environmental Study Programmes

The University designed 19 advanced programmes of study with environmental topics and environmental focuses to professionalize the students' knowledge and to enhance their professional competences and skills. Some taught programmes are already in English (UK).

- Architecture (BSc, MSc)
- Biology (Diploma)
- Civil Engineering (BSc, MSc)
- Economics and Business Management (BA, MA)
- Electrical Engineering (Diploma, BSc, MSc)
- Environmental Engineering (BSc, MSc)
- UK European Master in Renewable Energy (MSc)
- UK Global Political Economy (MA)
- Industrial Engineering (Diploma)
- UK Intl. Food Business and Consumer Studies (MSc)
- UK Intl. Organic Agriculture (MSc)
- Landscape Architecture and -Planning (MSc)
- Landscape Planning (BSc)
- Mechanical Engineering (Diploma)
- Organic Agriculture (BSc, MSc)
- Renewable Energies and Energy Efficiency (MSc)
- Sustainable Management and Economics (MSc)
- Urban Planning (BSc)
- Urban Planning and Regional Planning (MSc)

www.uni-kassel.de/international



Campus Steinstrasse

Environmental Study Programmes

Postgraduate Study Programmes

There are 13 master's programmes with 4 different topics and 4 research training groups for doctoral students. The Graduate Centre for Environmental Studies („gradC“) at the University of Kassel attracts junior scientists of the highest calibre. It offers multiple possibilities to broaden and apply scientific knowledge in the environmental area making it a unique offer in Germany.



Subject areas of Postgraduate Programmes

- Agriculture and Nutrition
- Economy and Environment
- Energy and Material Flow Systems
- Sustainable Planning and Building

Research Training Groups

- Advanced Solar Heating and Cooling for Buildings
- Human-Environmental-Systems
- Humus and Nutrient Regulation in Organic-Agriculture
- Earth Systems Modelling

www.uni-kassel.de/gradc

International Winter and Summer Universities

Environmental sciences are essential in order to solve pending global challenges. Our competencies are increasingly perceived and in demand from abroad. Thus, twice a year the University of Kassel invites international students to attend Kassel's academic short-term programmes, the International Summer University (ISU) and the International Winter University (IWU) to learn about the environment, gain new skills and earn credits towards a degree.

www.uni-kassel.de/iwu/
www.uni-kassel.de/isu/

