

U N I K A S S E L V E R S I T Ä T

6 doctoral/postgraduate positions (EG 13 TV-H)

Part time, with 50,00 percent of the regular weekly work time of a fully employed person, limited to three years, to collaborate in the graduate programme BangaDyn: Rural-urban Dynamics in Bangalore (P/979). Position for scientific qualification according to § 65 HHG i. V. m. § 2 Abs. 1 Satz 1 WissZeitVG; possibility to pursue a doctoral degree (PhD).

In the framework of the Graduate Programme „Rural-urban Dynamics in Bangalore“ (GP-BangaDyn) at the University of Kassel, six PhD positions are to be filled until 1. June 2017. In cooperation with scientists of FOR2432 (<http://www.uni-kassel.de/go/for-2432>), an established DFG Research Unit at the Universities of Kassel and Göttingen, the PhD students of GP-BangaDyn will analyze the transformation processes that affect agriculture, ecology, economy and society in the course of a very rapidly progressing urbanization. The research thereby focuses on social-ecological systems in the city of Bangalore in southern India, which is classified as an „emerging megacity“.

The Graduate Programme BangaDyn is part of the Graduate Academy at the University of Kassel. Possibilities for advanced academic training are therefore offered through the Graduate Academy as well as through the DFG research FOR2432. The interdisciplinary exchange amongst the PhD students in GP-BangaDyn is granted through regular meetings and workshops.

General requirements for all applicants: Each of the six positions implies an obligatory contribution to teaching (2 hours per week and semester) within the courses offered by the respective section that employs the successful candidates. All candidates are expected to thrive for a doctoral degree within the framework of the Graduate Programme, and are requested to participate in project-related seminars, workshops and, if applicable, international conferences. Excellent English skills (in speaking and writing) are compulsory, basic knowledge of German language and of Kannada, the local language spoken in Bangalore, are of advantage. In addition, the candidates are obliged to intensely collaborate in interdisciplinary and intercultural teams in India and Germany, and to spend several months per year in Bangalore to conduct their field research.

The six PhD topics and the respective specific disciplinary requirements are the following:

1. **Soil Biology:** *Management induced effects on soil microorganisms of rural-urban interfaces at field and regional scale*

Tasks:

Sampling and experimental field work, chemical and microbiological analysis of plant roots and soil, CO₂ measurements in the field, and statistical evaluation of data. *Main work place* is Witzenhausen, Germany.

Specific requirements:

University degree in the study areas agronomy, biology geosciences or adjacent disciplines, experiences and interest in soil microbiology, field work and statistics.

For further questions, please contact Prof. Dr. R.G. Joergensen (joerge@uni-kassel.de) or Dr. C. Wachendorf (c.wachendorf@uni-kassel.de).

Faculty of Organic Agricultural Sciences
Soil Biology and Plant Nutrition
(Prof. Dr. Rainer Georg Jörgensen)
start of the programme 01.06.2017

Stellen-Nr. 21106724

Kennziffer: 30215

Faculty of Civil and Environmental

2. **Water Quality Management:** *“Hydrological modelling for disentangling*

Engineering
Water Quality Management – Modelling
and Simulation
(Prof. Dr. Matthias Gaßmann)
start of the programme 01.06.2017

Stellen-Nr. 21106725

Kennziffer: 30218

anthropogenic effects on the water balance in rural-urban interfaces"

Tasks:

The successful candidate's tasks include an investigation of anthropogenic effects on the water balance at the rural-urban interface of Bangalore by using hydrological modelling driven by environmental data and socio-economic constraints. Especially the impact of agricultural transformation and individual water management such as groundwater exploitation or irrigation ponds but also rainwater harvesting in the transition zone will be in focus of the investigation. Further, socio-economic factors such as the informal groundwater market or water conservation awareness will be considered in the project. *Main work place* is Kassel, Germany.

Specific requirements:

Master's degree or comparable in Environmental Engineering, Hydrology, Environmental Sciences, Geo-Ecology, Geography or other closely related studies. First experiences in hydrological modelling, experiences with Geographic Information Systems (QGIS, ArcGIS) and statistical software.

For further questions, please contact Prof. Dr. Matthias Gaßmann (gassmann@uni-kassel.de).

Faculty of Organic Agricultural Sciences
International Agricultural Policy and
Environmental Governance
(Prof. Dr. Andreas Thiel)
start of the programme 01.06.2017

Stellen-Nr. 21106726

Kennziffer: 30221

3. International Agricultural Policy and Environmental Governance:
"Rural-urban dynamics and cross-scalar coordination and institutional change in water governance"

Tasks:

Research on the topic: "Rural-urban dynamics and cross-scalar coordination and institutional change in water governance" in Bangalore, India. *Main work place* is Witzenhausen, Germany.

Specific requirements:

Concluded scientific studies in the area of agricultural sciences (with a social science focus), economics, political sciences or geography. Good knowledge of agricultural, environmental or resource economics; water policies and water regulation and governance; knowledge of Institutional Analysis and interdisciplinary social-ecological system research. Good knowledge of quantitative and qualitative methods of social research.

For further questions, please contact Prof. Dr. Andreas Thiel (thiel@uni-kassel.de).

Faculty of Architecture, Urban Planning,
Landscape Planning
Urban Regeneration and Planning
(Prof. Dr. Uwe Altrock)
start of the programme 01.06.2017

Stellen-Nr. 21109732

Kennziffer: 30224

4. Urban Regeneration and Planning: *"Rural-urban land use changes across space and time"*

Tasks:

Participation in the subproject mentioned above in the framework of the research training group Rural-Urban Dynamics in Bangalore (BangaDyn), Ph.D. project about "Case-based analysis of the formal and informal influences on the governance of urban development in the periphery of metro Bangalore" supervised by Prof. Dr.-Ing. Uwe Altrock. *Main work place* is Kassel, Germany.

Specific requirements:

Master qualification in urban planning, political sciences, geography or anthropology; willingness to conduct excellent Ph.D. research in the framework of the research training group and to stay in India for several weeks per year; good knowledge of urban governance concepts; expertise in qualitative research methods; regional expertise concerning the Indian subcontinent desirable.

For further questions, please feel free to contact Prof. Dr. Uwe Altrock (altrock@asl.uni-kassel.de).

Faculty of Social Sciences
Globalization and Politics
(Prof. Dr. Christoph Scherrer)
start of the programme 01.06.2017

Stellen-Nr. 21109733

Kennziffer: 30227

Faculty of Social Sciences
Social and Cultural History – Human-
Animal Studies
(Prof. Dr. Mieke Roscher)
start of the programme 01.06.2017

Stellen-Nr. 21109734

Kennziffer: 30230

5. Globalization and Politics: *“Financial flows in the rural-urban interface – access to credit”*

Tasks:

The project aims to identify the impact of changes in the rural-urban interface of Bangalore on financial flows in general, on conditions of access to credit, on the use of credits, and on the role the financial governance modes play in this process. *Main work place* is Kassel, Germany.

Specific requirements:

a completed or almost completed MA degree, with excellent results, in the social sciences, preferable in political economy; field research experience, knowledge of qualitative and quantitative methods; some teaching experience (tutorials etc.).

For further questions please contact Prof. Dr. Christoph Scherrer (scherrer@uni-kassel.de).

6. Social and Cultural History: *“Transforming city landscapes: Human-cattle relationships and the making of urban societies”*

Tasks:

The aim of this project is to identify the specifics of human-cattle relationship in the aftermath of the 1947 formation of the Indian state. In a case study based on mainly archival material, focusing on the development of Bangalore city, the transformations in both discursive frameworks as well as in the lived interactions between humans and cattle are to be extracted. In a second step, in-depths oral history interviews will be conducted, making use of innovative approaches in human-animal studies such as animal biography and multi-species ethnography. *Main work place* is Kassel, Germany.

Specific requirements:

The successful applicant must hold a very good master's degree in history, must be familiar with methods of oral history and must be willing to learn and apply methods and theories of human-animal studies and animal history.

For further questions please contact Prof. Dr. Mieke Roscher (roscher@uni-kassel.de).

Bewerbungsfrist: 02.05.2017

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