Partnership of the International Center for Development and Decent Work, University of Kassel, Germany with the University of Agriculture Faisalabad, Pakistan

(2009-2014)
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1. About UAF

1.1 Historical Background

The University of Agriculture, Faisalabad (UAF) was established after independence in 1947 by upgrading the former Punjab Agricultural College and Research Institute in 1961.

The university offers programs leading to Bachelor of Science Agricultural Engineering, Doctor of veterinary medicine, Bachelor of Science (Hons.), Master of Philosophy, and PhD. degrees in agriculture and allied fields. HEC (Higher Education Commission of Pakistan) ranks the UAF as the best university in the agriculture or veterinary field.

In 2011, the university launched a "golden jubilee ceremony" on completing 50 years of excellence in the field of agriculture and research.

1.2 Faculties and Institutes

The university is organized into faculties of Agriculture, Agricultural Engineering and Technology, Food Engineering, Social sciences, Animal Husbandry, Veterinary Science and Sciences. A community college is also located on the main campus in Faisalabad. The College of Veterinary Sciences at Lahore was affiliated and is now a distinct entity known as the University of Veterinary and Animal Sciences, Lahore (UVAS).

1.2.1 Faculty of Agriculture

This faculty, the largest of the academic units, conducts research on all aspects of crop production; teaching is undertaken at the undergraduate and graduate levels by its departments: Agronomy, Genetics, Center of Agricultural Biochemistry and Biotechnology, Plant Pathology, Agricultural Entomology, Horticulture, Soil Science, Forestry, Range Management, and Wildlife and Crop Physiology.

1.2.2 Faculty of Agricultural Engineering & Technology

The Faculty of Agricultural Engineering & Technology was established in 1961 when the Punjab Agriculture College, Lyallpur was given the status of University of Agriculture, Lyallpur. The main objective of the Faculty was to train manpower to cater the growing needs of mechanized farming in the province of Punjab.
Pakistan. This faculty is one of the pioneer faculties of its nature in whole Pakistan.

1.2.3 Faculty of Veterinary Science
This faculty has been playing a significant role in flourishing the livestock and poultry production in the country since 1962. The diagnostic laboratory and drugs analytical facilities have been created to implement artificial insemination technologies.

1.2.4 Faculty of Social Sciences
The three institutes in the faculty are the Institute of Economics and Resource Management, the Institute of Agricultural Extension and Rural Development and the Institute of Business Management Sciences. The faculty offers coursework in Agricultural Economics and Rural Sociology at the graduate and postgraduate levels.

1.2.5 Faculty of Animal Husbandry
The faculty includes the Department of Animal Breeding and Genetics, the Department of Livestock Management, the Department of Animal Nutrition and the Department of Poultry Science. It provides research facilities concerning livestock, poultry and their products to departments in the University and it provides advisory services to livestock and poultry farmers.

1.2.6 Faculty of Sciences
Since 1974, the Faculty of Sciences with its nine departments offers M.sc and M.Phil, degrees in Biochemistry, Botany, Chemistry, Computer Science, Physics, Statistics, Zoology and Fisheries. Furthermore, it also offers Ph.D degree programs. Currently it is the second biggest faculty of the University.

1.2.7 Institute of Agricultural Extension and Rural Development
The institute deals with disciplines like Agricultural Extension, Agricultural Education, Agricultural Information (Mass Communication), Rural Sociology, Population Science, Gender Studies, and Rural Development.

1.2.8 Centre of Agricultural Biochemistry and Biotechnology (CABB)
The development of the Centre of Agricultural Biochemistry and Biotechnology (CABB) at the University of Agriculture Faisalabad was approved for funding by the University Grants Commission in 1995. The establishment mandates the
integration of modern knowledge and techniques of biotechnology in the conventional teaching and research systems to meet the future needs in the agricultural research and teaching.

2. ICDD and UAF Partnership
The ICDD and UAF have been successfully working for six years. The ICDD and UAF partnership involves various types of activities including study programs, exchange of students and faculties, research, conferences, workshops among others.
2.1 The DAAD exceed Program

ICDD has been conducting different research projects with UAF within the DAAD exceed (Higher Education Excellence in Development Cooperation) program.

The program aims at supporting German Higher Education Institutions (HEI) together with their partners in developing countries. Support is given to those institutions that contribute to the realization of the Millennium Development Goals (MDGs) and other goals of development cooperation policy in an innovative manner. The aim is to strengthen the HEIs in the domains of education, research and consultancy. The major concerns of the program are:

- bringing together working units in the HEIs with a direct linkage to the MDGs
- expanding education and research on issues of relevance to development cooperation policy in German and partner country HEIs
- increasing the visibility of activities related to the MDGs in the general public in Germany and DCs
- constructing Competence Centers for development cooperation by developing excellent research that can serve as a scientific "lighthouse", is internationally attractive and competitive
- strengthening north-south as well as south-south cooperation in higher education and research
- expanding policy analysis and consultancy on issues in development cooperation in DCs and Germany

By these activities, researchers and institutes are encouraged to continue and expand their commitment in development cooperation. The competence centers are meant to become think tanks for development co-operation that develop approaches for the solution of global challenges and transfer them to policy makers, donors and practitioners.

2.2 Study Programs

2.2.1 PhD program

The ICDD's objective is to generate and transfer knowledge on how to create and improve work and income opportunities in rural and urban regions of developing countries in light of globalization, climate change and urbanization. PhD projects
are rooted in either the natural or social sciences and focus primarily on actor- and problem-oriented research on sustainable human-environmental relationships and decent livelihoods. Currently, about 30 doctoral candidates within the graduate school are pursuing PhDs at the seven ICDD partner universities.

Currently there are two completed and three ongoing PhD projects from the UAF in the following topics:

- Muhammad Asif Raza: Faculty of Organic Agricultural Sciences, University of Kassel. PhD Research Title: Analysis of the use and effectiveness of ethno-botanical practices of livestock keepers in Cholistan, Pakistan, with particular focus on anthelmintic treatments. Supervisors: Prof. Dr. Eva Schlecht and Prof. Dr. Muhammad Younas, finished in 2013.
- Sabah Saleem: Department of Development Economics, Migration and Agricultural Policy, University of Kassel. PhD Research Title: International return migrants in rural areas of Pakistan. Supervisors: Dr. Izhar Ahmad Khan and Prof. Dr. Béatrice Knerr.

2.2.2 Master Program

An agreement was signed for initiating a double degree program in Sustainable International Agriculture with the University of Kassel and the University of Göttingen in 2012.

MA Scholarships were given to selected highly qualified students at UAF; these scholarships were all matched by HEC funded scholarships by the side of Pakistan.
2.3 Ela Bhatt Professorship and Guest Lectures

Ela-Bhatt Visiting Professors

Dr. Muhammad Younas: He was honoured as ICDD Ela Bhatt Visiting Professor from 2010 until 2011. He did his research and teaching at the ICDD during 01.10.2010-31.03.2011 and published an ICDD Working paper to the topic of General aspects of Pakistan’s urban milk market.

3. Research
3.1 Joint Research Projects

3.1.1 Research Projects

- Gender equality and women’s rights in rural livelihoods in Ghana and Pakistan (2015-)

Project leaders:

This project addresses the factors that determine the success of interventions designed to promote women’s rights to productive resources in rural livelihoods. The political economic contexts of rural livelihoods are highly gendered with implications for work distribution and access to and control over productive resources. Such gendered differentiations stray into household relations with research pointing to highly discriminatory access to household resource allocation. Studies note that owning land and other landed properties in rural communities provide access to additional productive resources like finances, water and grazing...
privileges. Others state that having their own plots of land strengthens women’s voices in decisions about the use of household resources. In subsistence economies such as Ghana and Pakistan, defective land tenure systems under pressure from several interests like the state, foreign investors, and local economic elite have redefined lineage land acquisition systems, and in the process, compromised women’s tenure security. It is necessary to outline emerging gender orders within varying intensities of patriarchal control. A critical appraisal of conditions determining innovation success is important for understanding how gendered production relations embedded in rural livelihoods can be transformed.

3.1.2 Research Clusters

Within the framework of exceed, ICDD and UAF conduct 3 research clusters regarding to different topics:

1. Prof. Dr. Beatrice Knerr/Prof. Dr. Iqrar Ahmad Khan, startet 2009. Main research question: Which impacts do migration and remittance strategies have on employment creation in peripheral regions? This project will exemplarily assess income strategies of poor households along rural-urban commodity chains and will investigate the role of remittances for creating job opportunities and the resulting quality of work.

2. Prof. Dr. Andreas Bürkert/Prof. Dr. Eva Schlecht (Uni Kassel)/Prof. Dr. Asif Alim (UAF)/Dr. Sharit Bhowmik (TISS)/Dr. Michael Wachendorf (Uni Kassel), started 2010. Title of Project: Coupling plant and animal production systems for poverty alleviation in Cholistan (Pakistan) and Rajasthan (India). It is based on a detailed mapping of urban and peri-urban agricultural activities. Horizontal fluxes of nitrogen, phosphorus, potassium, and carbon and their respective output efficiencies will be determined in one representative city.

3. Prof. Dr. Anjum Munir (Uni Kassel)/Prof. Dr. Muhammad Iqbal Zafar (UAF), Prof. Dr. Oliver Hensel (Uni Kassel)/Mr. Wolfgang Scheffler and Ms. Heike Hoedt (Solare Brücke)/Dr. Musa Njue Rugiri (EGU), started 2011. Main research topic: Adding value to agricultural products using solar energy. A pilot plant is to be developed by the University of Agriculture, Faisalabad, and the research...
is supposed to investigate different applications like pasteurization, sterilization, drying, distilling etc. and demonstrate this innovative technology.

- 4. Prof. Dr. Iqrar Khan (UAF)/Prof. Dr. Bürkert (Uni Kassel), started 2011. Main research question: Biodiversity and variation in nutritional properties of Pakistani dates: implications for sustainable value chain and decent living.

### 3.2 Publications

Impact of International Migration on Women (Gender) Empowerment and Livelihood of the Families Left Behind: A Case Study in District Toba Tek Signh: A Dissertation Submitted To University of Agriculture, Faisalabad, In Partial Fulfillment of the Requirement for the Degree of Master in Rural Sociology

Impact of International Migration on Social Protection of Migrants Families Left Behind in Agrarian Communities of District Toba Tek Signh, Punjab, Pakistan

Role of International Migration in Agricultural Development and Farmer’s Livelihoods: A Case Study of an Agrarian Community.

Socio-Economic Conditions of Female Domestic Workers before and after Migration in Faisalabad City. By Saima Nazir B.A (P.U) A Dissertation Submitted In Partial Fulfillment of Requirement For The Degree of Master In Rural Sociology

Department of Rural Sociology Faculty of Agriculture. Economics and Rural Sociology, University of Agriculture, Faisalabad, Pakistan

A Study of Date Palm Market Chain And Its Role In Food Security And Livelihoods Of Farmers In The South Punjab By Salman Ata, A Thesis Submitted In Partial Fulfillment Of The Requirements For The Degree of Master of Science (Hons.) In Agri. Extension Department of Agri. Extension, University of Agriculture, Faisalabad, 2011

Potential of Bioslurry and Compost At Different Levels of Inorganic Nitrogen To Improve Growth And Yield of Okra (Hibiscus Esculetus L.) by Muhammad Shahabz , A Thesis Submitted In Partial Fulfillment Of The Requirement For The Degree Of Master Of Science (Hons.) In Soil and Environmental Sciences Institute of Soil And Environmental Sciences Faculty Of Agriculture University Of Agriculture Faisalabad, Pakistan, 2011

Root Anatomical Characteristics of Some Date Palm (Phoenix Dactylifera L.) Cultivars Of Diverse Origin By Ghayoor Fatima, A Thesis Submitted In Partial Fulfillment Of Requirements For The Degree Of Master of Science (Hons.) In Horticulture Institute of Horticultural Sciences (Agriculture) University Of
3.3 Cooperation with other Partner Universities in the ICDD Network

4. Conferences and Workshops

Within the framework of ICDD and UAF partnership different thematic conferences, workshops, seminars have been organised.

- **ICDD Annual Thematic Conference 2011**

The Annual Thematic Conference (ATC) is an international conference organized
within the framework of the International Center for Development and Decent Work (ICDD) to discuss and formulate strategies for building capacity and supporting research on topics related to decent work and development. With the cooperation of six international universities and public and civil society partners, the conference takes place at a different partner university every year. ATC 2011 took place at UAF, Pakistan 18.10.2011-22.10.2011 on the topic of Urban, Peri-Urban Agriculture: Empowerment and Value Chain Management.

- **International Workshop on 'Solar and Bio-Energy System' in January 2011**

On November 24, 2011 an international workshop on “Solar and Bio Energy systems” was organized under an ICDD funded project “Value Addition to Agricultural Products using Solar Energy”. Mr. Wolfgang Scheffler and Mrs. Heike Hoedt participated and presented their work at this conference. Also different solar experts presented their work on value addition in the field of agriculture. The Secretary Energy Department, Government of Punjab participated in the workshop as Chief Guest.

- **International Conference on Migration and Desertification, 2011**

An international conference on “Migration and Desertification: Desertification as a cause of rural out-migration and its implications” was organized from January 3-5, 2011. Zhao Xi from Kassel and Dr. Abdillahi Aboud from Kenya carried out field work on date palm, return migrants and domestic workers. Ms Ursula Saarabek, Director DAAD Islamabad also participated in the conference. The national participants and speakers included faculty members and students from different universities from all over Pakistan.

- **Special ICDD conference, 2014**

On 9-12 January, 2014, the special ICDD Conference to the topic “The Linkages, value chains and development along the rural-urban interface” held in UAF. All ICDD related faculties and participating Campuses are requested to collaborate with their colleagues and students to prepare a one page abstract under the overall theme. The conferences are divided in 3 sessions according to the main themes: 1. Rural to Urban migration; 2. Primarily Prod, Value Chain and Marketing; 3.
Women Empowerment and Urbanization. 

More than 40 thematic papers and abstracts were submitted and presented during the conference.

5. Professors and Scholars

- **Prof. Dr. Iqrar Ahmad Khan**
  *Vice Chancellor’s Office, UAF.*

  He has supervised 84 M.Sc and PhD. students from 6 countries, and he established a Center of Agricultural Biochemistry and Biotechnology and secured numerous research and development projects. He was instrumental in developing international/regional mango research program to combat the sudden death of mango. In a 2007 paper on the causal organism of mango death, his team illustrated new information, which must count as a discovery. MINFAL has notified Khan as National Mango Coordinator. He is selected to be decorated with 'Sitara-e-Imtiaz' by President of Pakistan for his services in the field of Agricultural sciences on occasion of Pakistan Day 23 March 2011.

- **Prof. Dr. Muhammad Younas**
  *University of Agriculture, UAF*

  He was given the responsibility as Chairman of the Department of Livestock Management from June 2006 until he was appointed as Dean of the Faculty on Sep 7, 2007. He worked with BRSP, Balochistan to develop their training curriculum for Field trainers/workers (1992-93). He helped P&D Department to develop their Conservation Strategy of the Punjab and delivered sectorial paper on Livestock (1996). He has rendered his advisory services to a number of Livestock and Dairy Farmers and encouraged them to maintain beef units and Commercial Dairy Farming in the country. He prepared feasibility for many NGOs like Al-Masoom International Foundation, UK (1998-99) who is involved in Livestock Business at UK. He has the honor to work on Academic Staff Association (ASA) as Joint Secy 1982 and 1983, as Secretary 1995 and the President ASA’2003, motivated the community, and rendered them useful services in their academic and research activities and community welfare programs.
Prof. Dr. Asif Ali  
*University of Agriculture, UAF*

Prof. Dr. Asif Ali, has multifaceted professional experiences and currently serving as Professor in Plant Breeding and Genetics, Director Office of Research, Innovation & Commercialization (ORIC) and Business Incubation Centre (BIC) at the University of Agriculture, Faisalabad (UAF). He has published over 100 research and review papers in peer reviewed journals. He has a number of national and international competitively research grants, Outreach and Capacity Building Projects to his credit from various sponsors including HEC, PARB, USDA Endowment Fund, AusAID, USDA and IFPRI. As Director External Linkages from 2009-2011, he aggressively persuaded the internationalization and networking agenda of the UAF. As Director ORIC and BIC, he focused on developing liaison of the faculty with funding agencies and industry. His motivation and facilitation skills resulted in four times increase in national and international research funding.

Prof. Dr. Muhammad Ashfaq  
*University of Agriculture, UAF*

Dr. Ashfaq has been actively involved in numerous national as well as international research projects. He is also serving as supervisor for ICDD, Kassel University, Germany. Apart from these activities, Dr. Ashfaq has published more than 55 research papers in different well reputed national and international research journals. He has also published three research reports and two books on the economies of water management and WTO. During his entire research career, Dr. Ashfaq has made wonderful efforts, with limited available resources, to contribute significantly in surging the economic aspects of agricultural productivity issues, poverty and water resource management.

Prof. Dr. Muhammad Iqbal Zafar  
*Dean Faculty of Agricultural Economics and rural Sociology, University of Agriculture, UAF*

He has 124 research articles published in journals of national and international repute and twelve review articles appeared in different national newspapers about social problems prevailing in the society. A book on Cultural Dynamics, Social Change and Modernization is also in his credit. Professor Zafar is presently
executing a research project on gender development funded by Pakistan Agricultural Research Council. Dr. Zafar is also a pioneer in supervising doctoral level research on HIV/AIDS in Pakistan. Under the deanship of Professor Dr. Muhammad Iqbal Zafar recently four years B.Sc. program in Agribusiness Management and M.S. (Hons) in Rural Development are proposed approval to address socio-economic problems of rural society. Professor Dr. Zafar as a member of Academic Council, Senate, Technical Advisory Committee, Standing Investment Committee for Endowment fund, Bio-safety Committee and many learned societies actively engaged for promotion of teaching, research, administrative and social welfare activities.
Acknowledgments / Disclaimer

Editorial Team:

Photos:

Page 7: Organogram, ICDD files.

Page 9: Dr. Muhammad Younas

Page 13: The Annual Thematic Conference (ATC), ICDD files.

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The Global ICDD Network

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