

Linkages with Industry and Organization





LIST OF MoUs SIGNED BY THE UNIVERSITY WITH NATIONAL AND INTERNATIONAL ORGANIZATIONS FROM 01.07.2010 to 30.06.2011





INTERNATIONAL

1.	Agreement of Cooperation between UAF and University of KASSEL (ICDD-International Centre for Development and Decent Work)	Syndicate on 24.09.2010	Director External Linkages
2.	MoU between UAF and the National Centre for Genetics Engineers & Biotechnology (BIOTEC), Thailand	Syndicate on 24.09.2010	Dean, Faculty of Sciences
3.	MoU between Messay University New Zealand and University of Agriculture, Faisalabad	Syndicate on 22.10.2010	D.G (NIFSAT)
4.	Cooperation agreement between PUM, The Netherlands Senior Expert and The Institute of Horticultural Sciences, University of Agriculture, Faisalabad	Syndicate on 22.10.2010	Director, Inst. Horticultural Sci.
5.	MoU between USAID Pakistan Jobs and University of Agriculture, Faisalabad	Syndicate on 22.10.2010	Endowment Fund
6.	Proposal to Initiate Cultural Exchange Programme Research and Development between Institute of Horticultural Sciences, UAF Pakistan University DEGLI STUDI DI PALERMO, Italy	Syndicate on 22.10.2010	Director, Inst. Horticultural Sci.
7.	MoU between University of Agriculture, Faisalabad and the Faculty of Organic Agricultural Sciences, University of Kassel, Germany.	Syndicate on 22.10.2010	Dean, Faculty of Sciences
8.	Agreement of Collaboration between Agrocampus Ouest, France and UAF	Syndicate on 22.10.2010	Director External Linkages
9.	MoU between University of Agriculture, Faisalabad and International Agricultural Research and Training Center, Izmir, Turkey	Syndicate on 22.10.2010	Director External Linkages
10.	Academic Cooperation Agreement between University of Agriculture, Faisalabad and Nova Scotia Agricultural College, Canada	Syndicate on 08.01.2011	Director External Linkages
11.	MoU between UAF and University of Idaho Moscow, Idaho	Syndicate on 08.01.2011	Director External Linkages
12.	MoU between University of Agriculture, Faisalabad and Canakkale Onsekiz Mart University, Turkey	Syndicate on 08.01.2011	Director External Linkages
13.	International Memorandum of Agreement between Board of Regents of the University Nebraska on Behalf of the University Nebraska Lincoln, Nebraska, USA and University of Agriculture, Faisalabad	Syndicate on 30.05.2011	Director External Linkages
14.	MoU between Bogor Agricultural University Bogor, West Java, Indonesia and University of Agriculture, Faisalabad	Syndicate on 30.05.2011	Director External Linkages
15.	MoU between Al-Zaiem Al-Azhari University, Sudan and University of Agriculture, Faisalabad	Syndicate on 30.05.2011	Director External Linkages
16.	Memorandum of Understanding (MoU) between the National Research Centre Cairo, Egypt (NRC) and National Institute of Food Science and Technology- (NIFSAT) UAF	Syndicate on 30.05.2011	Director External Linkages



NATIONAL

1.	MoU between UAF and Syngenta Pakistan Limited	Signed by both parties	Director External Linkages
2.	MoU between UAF and Ecommerce Gateway Pakistan (Pvt). Ltd. Karachi	Syndicate on 24.09.2010	D.G (NIFSAT)
3.	MoU between UAF and Human Rights & Minorities Affairs Deptt. Government of Punjab	Syndicate on 22.10.2010	Chairman, Deptt. of R.S
4.	MoU between A Consortium Pakistan Agricultural Universities Led By the University of Agriculture, Faisalabad and Monsanto Company	Syndicate on 22.10.2010	Director, External Linkages
5.	Letter of Intent (LOI) between UAF and Ayub Agricultural Research Institute, Faisalabad	Syndicate on 22.10.2010	Director, External Linkages
6.	MoU between Pakistan Horticulture Development and Export Company (PHDEC), Lahore and College of Agriculture, D.G Khan (CADGK, UAF)	Syndicate on 22.10.2010	Director, External Linkages/Principal College of Agri. D.G. Khan
7.	MoU between Pakistan Horticulture Development and Export Company (PHDEC), Lahore and Sub-Campus, Toba Tek Singh	Syndicate on 22.10.2010	Director, External Linkages/Principal Sub-Campus TT Singh
8.	MoU between Pakistan Horticulture Development and Export Company (PHDEC), Lahore and Sub-Campus Depalpur, UAF	Syndicate on 22.10.2010	Director, External Linkages/Principal Sub-Campus Depalpur, UAF.
9.	MoU between PHDEB and Deptt. of Continuing Education, UAF	Syndicate on 22.10.2010	Chairman, Department of Continuing Education
10.	MoU between Pakistan Telecommunication Company Limited and University of Agriculture, Faisalabad	Syndicate on 22.10.2010	Chairman, Department of Computer Science
11.	Agreement between University of Agriculture, Faisalabad (UAF) and Punjab Education Endowment Fund (PEEF)	Syndicate on 08.01.2011	Director, External Linkages
12.	MoU for Collaboration of Ghazi Brothers with University of Agriculture, Faisalabad for operation of Amino Acid Analyzer	Syndicate on 08.01.2011	Director, External Linkages
13.	Memorandum of Understanding (MoU) between the National Research Centre Cairo, Egypt (NRC) & National Institute of Food Science & Technology- Faisalabad Pakistan (NIFSAT)	Syndicate on 30.05.2011	Director, External Linkages
14.	MoU between University of Agriculture, Faisalabad and Yes Networks	Syndicate on 30.05.2011	Chairman, Dept. R.S.



INFORMAL LINKAGES WITH INDUSTRY/ORGANIZATIONS AT NATIONAL AND INTERNATIONAL LEVELS

FACULTY OF AGRICULTURE

DEPARTMENT OF FORESTRY, RANGE MANAGEMENT & WILDLIFE

- Lectures of renowned scientists of various faculties of UAF and sister organizations like PFRI, NIAB, NIBGE, AARI, PPI, and SDPI were organized to share their rich and varied experience in the related fields to be useful in tackling the real problems of farming community

FACULTY OF AGRICULTURAL ECONOMICS & RURAL SOCIOLOGY

DEPARTMENT OF AGRICULTURAL ECONOMICS

International Linkages

- Lok Sanjh Foundation
- Oklahoma State University, USA
- University of New England, Australia
- Reading University, UK
- Japan International Cooperation Agency (JICA)
- International Livestock Research Institute, Kenya (ILRI)

National Linkages

- MINFAL
- Production Economics Division Agricultural Policy Institute, Islamabad
- Pakistan Institute of Development Economics (PIDE), Islamabad
- International Network on Participatory Irrigation Management (INPIM)
- Sustainable Development Policy Institute, Islamabad
- Planning Commission, Islamabad
- Social Sciences Institute, National Agricultural Research Center, Islamabad
- Punjab Economic Research Institute, Lahore
- Planning and Development Board, Lahore
- WTO Cell, Planning and Development Board, Lahore
- Small and Medium Enterprise Development Authority (SMEDA), Ministry of Industries, Production & Special Initiatives, Lahore
- Agri. Extension and Adaptive Research, Punjab Lahore
- Agribusiness Support Fund (ASF), Lahore
- Pakistan Dairy Development Company, Lahore,

- Planning and Evaluation Cell, Lahore
- WWF-Pakistan. EC-TCP, Fresh Water and Toxics Program, Lahore
- Ayub Agricultural Research Institute, Faisalabad
- The Bank of Punjab, Regional Office, Faisalabad
- Punjab Rural Support Program (PRSP), Faisalabad
- Ayub Agricultural Research Institute, Faisalabad (Adaptive Research)
- State Bank of Pakistan, Regional Office, Faisalabad
- Technology Transfer Institute PARC, AARI, Faisalabad

DEPARTMENT OF ENVIRONMENTAL AND RESOURCE ECONOMICS

International Linkages

- International Network on Participatory Irrigation Management (INPIM)
- International Water Management Institute (IWMI)

National Linkages

- Pakistan Agricultural Research Council (PARC), HEC, Asia Link program started by the European Union and SDPI
- Farming Community
- NGO's (Lok Sanjh, Action-Aid), Governmental organizations (Pakistan Institute of Development Economics (PIDE), National Rural Support Program, Pakistan Agriculture Research Council (PARC), United Nation's Development Program (UNDP), Punjab Economic Research Institute (PERI), Punjab Agricultural Research Board (PARB)

National/International Research Collaboration

- Currently the department is collaborating with Higher Education Commission by winning research funding and conducting research. The department is sharing knowledge with Pakistan Agricultural Research Council (PARC) and National Agricultural Research Centre (NARC).
- The department is also collaborating with South-Asian Network for Development Environmental Economics (SANDEE) in terms of getting training for their staff and by submitting projects for sponsorship

DEPARTMENT OF DEVELOPMENT ECONOMICS

International Linkages

- International Network on Participatory Irrigation Management (INPIM)
- International Water Management Institute (IWMI)

National Linkages

- Pakistan Agricultural Research Council (PARC), HEC, Asia Link program started by The European Union and SDPI
- Farming Community



Linkages with Industry and Organization

- NGOs (Lok Sanjh, Action-Aid), Governmental organizations (Pakistan Institute of Development Economics (PIDE), National Rural Support Program, Pakistan Agricultural Research Council (PARC), United Nations Development Program (UNDP), Punjab Economic Research Institute (PERI), Punjab Agricultural Research Board (PARB)

FACULTY OF AGRICULTURAL ENGINEERING & TECHNOLOGY

DEPARTMENT OF FARM MACHINERY AND POWER

National and International Linkages

Linkages have been developed for machinery design, development, and fabrication with the following industries:

- Punjab Engineering Company (Regd.), Samundary Road, Faisalabad
- Noorani Industries, Samundary Road, Faisalabad
- Danish Industries, Faisalabad
- Agri-Tec Industries (pvt) Ltd, Industrial Estate, Multan

National and International Research collaborations

- Agricultural Mechanization Research Institute (AMRI), Multan, Pakistan
- Pakistan Agricultural Research Council, Islamabad, Pakistan

Exchange and Resource Sharing Programs

- Board of studies, Department of Agri. Engineering, NWFP, University of Engineering & Technology, Peshawar
- Selection Board, NWFP, University of Engineering & Technology, Peshawar
- Selection Board, Bahaudin Zikria University, Multan
- Technical Committee of Pakistan Agricultural Research Council, Islamabad
- Member Board of Studies, Technical Institute, Sahiwal

DEPARTMENT OF FIBRE & TEXTILE TECHNOLOGY

Linkages with industries/organizations

The Department of Fibre & Textile Technology has established strong linkages with the textile and fibre industries including Spinning, Knitting, Denim Jeans, Dyeing/Finishing, Polyester fibre, Jute, Pulp/Paper and Woolen industries. The department is in regular contact with the research and development sections of almost every major textile/fibre processing industry. The findings of the post-graduate research work are shared with the

industry and in most of the cases these research findings suggest solutions for most of the burning problems being faced by the industry and practical implications for the improvement of product quality and cost reduction. Commercial testing services are also being provided to the cotton textile industry located in and out skirts of Faisalabad. Under the jute bags testing project, the Department is also providing testing services to the whole jute industry of Pakistan.

The Department of Fibre & Textile Technology offers three short term training courses for the benefits of technical/semi-technical staff of the textile industry. In future, the department plans to include some new technologies in its academic endeavor in consultation with the industrialists and technologists to make it more vibrant.

National and International Research collaborations

There exist a strong liaison between the Department of Fibre & Textile Technology and the reputed Textile Mills and Cotton Research organizations. Cotton evaluations services are being extended to all the government departments and research institutes like NIAB, Cotton Research Institute Multan, Punjab Food Department, etc. The PhD and MSc students from various departments of other universities including University of Agriculture, Faisalabad have free access to the testing facilities.

DEPARTMENT OF IRRIGATION & DRAINAGE

National and International Linkages with Industries/organizations

- Al-Ghazi Tractors Private Ltd.
- Halcrow Pakistan Ltd, Lahore
- Husnain RCC Products, Satellite Town, Sargodha
- Noorani Industries Pvt. Ltd.
- Jaffar Brothers Pvt. Ltd.

Exchange and Resource Sharing Programs

The staff of the department shared on-job training of Agricultural and Civil Engineers at the following academies.

- Prof. Dr. Rai Niaz Ahmad has made a number of presentations on water resources development, pressurized irrigation and raised-bed technology at different national departments.
- Prof. Dr. Allah Bakhsh was invited to deliver his presentation on "Aquifer Storage Recovery Technology" in the Internship program of students of Department of Agronomy
- Engineering Academy, Dept. of Irrigation and Power, Thokar Niaz Beg, Lahore
- WAPDA Academy, Faisalabad
- UET, Lahore



FACULTY OF VETERINARY SCIENCE

DEPARTMENT OF PATHOLOGY

International Linkages

- Uludag University, Faculty of Veterinary Medicine, Gorukle, Bursa, Turkey
- Kyungpook National University, Daegu, Republic of Korea
- Department of Pathology, Faculty of Veterinary Medicine, Kafkas University, Kars TURKEY
- Department of Clinical Studies, School of Veterinary Medicine, Shiraz University, Shiraz, Iran

National Linkages

- AL-Noor Chicks Faisalabad
- Brooks International
- Nestle International

National and International Research Collaborations

- Department of Veterinary Pathology, College of Veterinary Medicine, The University of Georgia, Athens, USA.
- Department of Forensic and Administration of Veterinary Medicine, Faculty of Veterinary Medicine Oczapowskiego, Poland
- MoU signed between Faculty of Veterinary Science and Istituto Zooprofilattico dell'Umbria e delle Marche

DEPARTMENT OF THERIOGENOLOGY

National Linkages

The department has provided consultancy and advisory services to the following government/private livestock farms during 2010-11:

- Livestock Experiment Station, Qadirabad, District Sahiwal
- Livestock Experiment Station, Khushab
- Wahdat Dairy Farm, Sargodha

DEPARTMENT OF PHYSIOLOGY & PHARMACOLOGY

National Linkages

- FMC- International Lahore

National and International Research Collaborations

- Department of Zoology, Institute of Chemistry, Punjab University Lahore
- Department of Zoology, GC University, Faisalabad
- Faculty of Veterinary Science, Bahaudin Zakria University, Multan

- University of Veterinary and University of Animal Sciences, Lahore
- Azad Jammu and Kashmir University Rawalakot
- Faculty of Pharmacy and Alternative Medicine, Islamia University, Bahawalpur

DEPARTMENT OF ANATOMY

International Research collaborations

- Humboldt University of Berlin, Germany

DEPARTMENT OF PARASITOLOGY

National and International Research Collaborations

- School of Biological Sciences, University of Canterbury, Private Bag 4800, Christchurch, New Zealand
- National Veterinary Laboratories, Islamabad
- Department of Zoology, Kohat University of Science and Technology, Kohat

National and Internationals Linkages

- School of Biological Sciences, University of Canterbury, Private Bag 4800, Christchurch, New Zealand.
- National Veterinary Laboratories, Islamabad

DEPARTMENT OF CLINICAL MEDICINE AND SURGERY

National and Internationals Linkages

- Commercialization of Mastitis Vaccine by Prof. Dr. Ghulam Muhammad
- Business Brief developed in response to submission of a proposal to the Higher Education Commission

FACULTY OF ANIMAL HUSBANDRY

DEPARTMENT OF LIVESTOCK MANAGEMENT

National and International Research Collaborations

- Department of Zoology, Govt. College University, Faisalabad
- Livestock Production Research Institute, Bahadar Nagar, Okara
- Buffalo Research Institute, Pattoki (Punjab) Pakistan
- Livestock Experiment Station Khizerabad, Sargodha
- SMEDA, Punjab, Pakistan
- Lok Sanjh Foundation, Punjab
- Agri. Solve Lahore



Linkages with Industry and Organization

DEPARTMENT OF POULTRY SCIENCE

National and International Linkages

- Livestock and Dairy Development Department, Government of the Punjab, Lahore
- Department of Poultry Production, University of Veterinary and Animal Sciences, Lahore
- Department of Poultry Production, Khyber Pukhtunkhwa Agricultural University, Peshawar
- Department of Animal Sciences, PMAS Arid Agriculture University, Rawalpindi
- Department of Livestock Production and Management, University College Veterinary and Animal Sciences, Bahawalpur
- UAF Sub-Campus, Taba Tek Singh
- Faculty of Veterinary Sciences, Bahauddin Zakaria University, Multan
- Poultry Research Institute, Rawalpindi
- NIBGE, Faisalabad
- NIAB, Faisalabad
- Islamabad Poultry Feeds and Breeder Farms, Islamabad
- Sadiq Brothers Hatchery, Feroz Watoowan, Sheikhpura
- Olympia Breeders Lahore
- Big Bird Poultry Lahore
- Sabir Poultry Lahore
- Bilal Poultry Enterprises, Arifwala, Pakpattan
- Hi-Tech Poultry Feeds and Breeders, Lahore
- CESWAB, Quetta
- Kamalia Chicks and Kamalia Poultry Breeding Farms, Kamalia
- K & N Poultry Karachi
- Usman Chicks Adda Johl, Faisalabad
- Hashmat Poultry Gojra
- Kamalia Feed and Kamalia Chicks, Kamalia
- Ghazi Brothers (Pvt) Limited, Karachi
- Millat Poultry Services, Faisalabad
- Sharif Feeds, Lahore
- Fast Feeds, Faisalabad
- Faysal Chicks and Feeds, Faisalabad
- Al-Noor Chicks, Faisalabad
- N.S. Poultries, Faisalabad

National and International Research Collaborations

- Newcastle University Upon Tyne, United Kingdom, Induced moulting in poultry and animal welfare
- Collaborated with NIBGE, Faisalabad, Effect of enzyme complex on the performance of broiler chicks

Exchange and Resource Sharing Programs

- The Postgraduate students of various departments of the University of Agriculture Faisalabad were provided laboratory facility for their research work and analysis
- Newcastle University upon Tyne, United Kingdom
- Collaborated with NIBGE, Faisalabad On effect of enzyme complex on the performance of broiler chicks

DIVISION OF EDUCATION & EXTENSION

DEPARTMENT OF CONTINUING EDUCATION

National and International Linkages

National level: The trainees of MINFAL Project have been linked with different relevant industries at the end of their training course. The linkage has provided good opportunity for industry to select skilled manpower out of this trained lot according to their choice.

Exchange and Resource Sharing Programs

The department has exchanged the funds of endowment and MINFAL with different Agriculture and Livestock Dairy Development related departments and has got teaching experts along with laboratory and field facilities of different departments of the University of Agriculture, Faisalabad.

DEPARTMENT OF RURAL HOME ECONOMICS

National and International Research Collaborations

Department of Rural Home Economics has collaboration with following institutions:

- University of Veterinary and Animal Sciences, Lahore
- Al-Shifa International Hospital, Islamabad
- Allied Hospital (PMC), Faisalabad
- National Hospital, Faisalabad
- Sheikh Zaid Hospital, Lahore
- Shuakat Khanum Memorial Cancer Hospital, Lahore
- Fatima Memorial Hospital, Lahore

National and International Linkages

- University of Veterinary and Animal Sciences, Lahore
- Institute of Public Health, Lahore
- Fatima Memorial Hospital, Lahore
- Shaukat Khanum Memorial Cancer Hospital, Lahore
- National Institute of Health, Lahore
- Al-Shifa International Hospital, Islamabad
- Chenab Textile Mills, Faisalabad
- Sitara Textile Mills, Faisalabad



Linkages with Industry and Organization

- Kalash Dyeing House, Faisalabad
- Sanatzar, Lahore
- Pakistan School of Fashion Designing, Lahore
- College of Art and Design, Punjab University, Lahore

FACULTY OF SCIENCES

DEPARTMENT OF COMPUTER SCIENCE

National and International Linkages

During this year, the department has been engaged with the following industries organizations regarding software development:

- AMTEX Faisalabad
- Masood Textile Mills, Faisalabad
- Crescent Mills Limited, Faisalabad
- Local Government, Faisalabad
- Pepsi Cola, Faisalabad

National and International Collaborations:

- The department has also taken keen interest to promote national and international collaboration with a number of national organizations so as to improve IT infrastructure

Exchange and Resource Sharing Programs

The department has arranged resource sharing programs with industry in order to enhance student practical vision towards IT.

DEPARTMENT OF ZOOLOGY & FISHERIES

National and International Linkages

National

- Department of Wildlife and Ecology, University of Veterinary and Animal Sciences, Lahore
- Department of Zoology, PMAS University of Arid Agriculture, Rawalpindi
- WWF Pakistan

International

- School of Biological Sciences, University of Bristol, UK
- Harrison Institute, Center for Systematics and Biodiversity Research, Kent, UK
- Department of Biological Sciences, Texas Tech University, Texas, USA

Department of Chemistry and Biochemistry

National Linkages

- Saffron Pharmaceuticals (Pvt) Limited, Faisalabad Anticancer and Antidiabetic activity guided isolation and characterization of active compounds from

- some selected plants of Pakistan
- Sandal Dyestuffs Industries, Faisalabad, Pakistan

DEPARTMENT OF PHYSICS

National and International Linkages

- COMSATS, Islamabad
- GC University, Faisalabad
- KRL, Islamabad
- NIAB, Faisalabad
- NIBGE, Faisalabad
- NIVAST, Islamabad
- PAEC, Islamabad
- PINUM, Faisalabad
- UET, Lahore

National and International Collaborations:

National

- Department of Physics, B.Z. University, Multan
- Department of Physics, G.C. University, Faisalabad
- Department of Physics, G.C. University, Lahore
- Department of Physics, Islamia University, Bahawalpur
- NIAB, Faisalabad
- PINUM, Faisalabad
- Department of Physics, Quaid-e-Azam University, Islamabad

International

- Department of Physics, Universiti Putra Malaysia, Malaysia
- Center for Energy Research, UCSD, USA

Exchange and Resource Sharing Programs

16th course program: Annual training course on "safety measures in the use of radiation in Agriculture and Biological Research" held at NIAB, from 08-12 March, 2011. (Dr. M. Yousuf Hussain was the Focal Person).

WATER MANAGEMENT RESEARCH CENTRE

National and International Research Collaborations:

- Linkage between Iowa State University (ISU), USA and University of Agriculture, Faisalabad (UAF)
- Linkage between IC Water, Charles Sturt University (CSU), Australia, and WMRC-UAF
- Research Collaboration with USAID under Pak/Afghan/US Trilateral program
- Collaborated research program between WWF-Pakistan and WMRC-UAF
- Research collaboration with AAB (Pvt.) Ltd.



Linkages with Industry and Organization

INSTITUTE OF ANIMAL NUTRITION & FEED TECHNOLOGY

National and International Linkages

The institute has developed strong collaboration with the poultry and dairy industry. The faculty addresses the emerging issues and concerns of industry and tries to overcome their problems. The post-graduate students are frequently sent to industry's R&D for conducting their research. The institute has recently signed an MOU with Ghazi Brothers Karachi for running a newer version of amino acid analyzer. A stake-holders workshop has recently been held (May 8-9, 2011) that attracted many industry people.

National and International Collaborations:

The institute has established research collaboration with professional educational institutions, wet milling industry and animal feed industry. The Institute has developed linkages with the Asian-Australasian Society for Animal Science, Korea; Rural Development Administration, Korea. At national level the institute has established links with provincial livestock departments and other institutions involved in animal and poultry nutrition research.

Exchange and Resource Sharing Programs

The institute organized Farmer's Day at following outreach venues:

- Amminpur Bungalow, Chak No. 33 JB Faisalabad, dated: 19-2-2011
- Amminpur Bungalow, Chak No. 57 JB Bara Ghyala, Faisalabad dated: 24-02-2011
- 57 JB, Ammipur Bunglow, Faisalabad dated: 20-10-10
- 325 JB, T.T. Singh dated: 19-07-10
- 315 GB, T.T. Singh dated: 05-08-10

INSTITUTE OF HORTICULTURAL SCIENCES

National and International Linkages

- Agrow (Pvt) Ltd. adopted this rose essential oil technology at their farms
- Sitara Group of Industries Pvt. Ltd.
- AusAID/ Australian Government
- Punjab Agricultural Research Board (PARB), Lahore, Pakistan
- Programme for Economic Co-operation Projects (PESP)/ Dutch Government
- Van Amerongen Controlled Atmosphere Technology Company (the Netherlands)

- METRO Cash & Carry Pakistan (Pvt). Ltd
- Endowment Fund Secretariat, University of Agriculture, Faisalabad
- Cargofresh AG i.I, Logistics Controlled Atmosphere, Ahrensburg, Germany
- Kinnow and Mango Industries

National & International Research Collaborations

- MOU signed between Institute of Horticultural Sciences, University of Agriculture, Faisalabad and Dipartimento S.EN.FI. MI. ZO. Sezione Frutticoltura Mediterranea, Tropicale e Subtropicale, Facolta di Agraria, University degli Studi di Palermo-Italy
- Prof. Dr. Richard J. Schuhmann, Director, Engineering Leadership Development Program, Penn State University, USA
- AusAID/ Australian Government
- Punjab Agricultural Research Board (PARB), Lahore, Pakistan
- Van Amerongen Controlled Atmosphere Technology Company (the Netherlands)
- Endowment Fund Secretariat, University of Agriculture, Faisalabad
- Cargofresh AG i.I, Logistics Controlled Atmosphere, Ahrensburg, Germany

Exchange and Resource Sharing Programs

- Rose cultivation and oil extraction technology demonstration to industry
- Quality seeds of summer and winter vegetables
- Nursery plants of fruits and ornamentals
- Disease free container grown citrus plants

INSTITUTE OF SOIL & ENVIRONMENTAL SCIENCES

National and International Linkages

- Linkage with HR Chemical Group (Pakistan) on Public-Private Partnership basis is in progress for sustainable crop production
- Niha Tech (Pvt) Ltd for the development and commercialization of bio-organo fertilizer

National & International Research Collaborations

- Faculty of Agriculture, Food and Natural Resources, University of Sydney, Australia
- Department of Soil and Water Sciences, University of Florida, FL, USA
- CRC-CARE, CERAR, University of South Australia, Adelaide, Australia
- Department of Earth and Environmental Sciences, University of Western Australia, Australia



Linkages with Industry and Organization

- University of Wales, Bangor, UK
- CSIRO, Australia
- ICBA, Duabi
- Department of Environmental Sciences, University of California, Riverside, CA, USA is going to develop a bioreactor for treatment of waste water of textile industry
- Nuclear Institute of Agriculture and Biology, Faisalabad
- Pakistan Agricultural Research Council, Islamabad

Exchange and Resource Sharing Programs

- Resource person/registered consultant for FIRMS, Chemonics International, USAID to deliver lecture on "Training Workshop for Extension Workers on Soil and Nutrient Management in Mango Orchards" at Ramada Multan on 29-11-2010, at Mahwish Hotel Muzaffer Gearh on 30-11-2010, at Press Club Khanewal on 01-12-2010, at PTDC Hotel Bahawalpur on 27-12-2010 and at Lamiz's Hotel Rahim Yar Khan 28-12-2010.
- Resource person/ Registered Consultant for FIRMS, Chemonics International, USAID to deliver lecture on "Training Workshop for Mango Growers on Soil and Nutrient Management in Mango Orchards" at Indus Hotel Hyderabad 06-01-2011 and at Mustafa Farm Sukrand, Nawabshah 08-01-2011.
- Resource person/ Registered Consultant for FIRMS, Chemonics International, USAID to deliver lecture on "Training Workshop for Extension Workers on Soil and Nutrient Management in Mango Orchards" at Indus Hotel Hyderabad 10-01-2011, at Directorate of Horticulture, Mirpur Khas 11-01-2011 and at Agricultural Research Institute Sukrand, Nawabshah 12-01-2011.

NATIONAL INSTITUTE OF FOOD SCIENCE & TECHNOLOGY

National and International Linkages

Strengthening industrial linkages program is being given special attention. National Institute of Food Science and Technology has established collaborative linkages with the following organizations/institutions/industries:

Public sector organizations

- Higher Education Commission, Islamabad
- Nutrition Section, Planning Commission, Islamabad
- Ministry of Science and Technology
- National Agricultural Research Centre (NARC), Islamabad
- PCSIR Laboratories, Islamabad
- Nuclear Institute for Food and Agriculture (NIFA), Peshawar

- ASC School, Nowshera
- Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad
- National Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad
- Ayub Agricultural Research Institute (AARI), Faisalabad
- Punjab Medical College, Faisalabad

Private sector organizations

Fast Food Chains

- Dunkins Doughnuts
- Pizzeria UNO Chicago Grill
- Pizza Hut International

Hotels

- Pearl Continental
- Avari Hotel
- Marriot Hotel

Food Industries

- Vita Pakistan Ltd.
- Haleeb Foods Ltd.
- Raffhan Maize Products
- Qarshi Industries (Pvt.) Ltd.
- National Foods Ltd.
- Nestlé Pakistan Ltd.
- Unilever Pakistan Ltd.
- Tetra Pak Pakistan Ltd.
- English Biscuits Manufacturer (Pvt.) Ltd, etc.

International agencies

- Malaysian Palm-Oil Board
- MI/CIDA, Canada
- UNICEF
- USAID
- UNIDO
- J.E. Austin Associates, INC
- FAO

Foreign universities

- Agrocampus Rennes, France
- Wegningen University and Research Institute, The Netherlands
- Texas A & M University, Texas USA
- ENITA, France
- NRC-CAIRO, Egypt
- Massey University, New Zealand
- Halal Science Centre, Thailand

Exchange And Resource Sharing Programs

The Institute offers following facilities:

- Analysis facilities
- Library
- Processing facilities



Linkages with Industry and Organization

INSTITUTE OF MICROBIOLOGY

National and international research collaborations

National

- NIBGE, Faisalabad
- Punjab University, Lahore
- National Veterinary Laboratory, Islamabad
- PMAS Arid Agriculture University, Rawalpindi
- Army Veterinary Remount, Sargodha, Pakistan

International

- Prof. Mazahar Iqbal, University of Connecticut, USA
- Prof. Kleiven, University of Georgia, USA
- Prof. Dr. Gilles FOUCRAS, INRA, France
- Prof. Dr. Pascal Sirand-Pugnet, INRA, France
- Prof. Dr. Adrian Avaconi. University of Antwerpen, Belgium
- Cornell University, USA
- Dr. Shahid Khan, Senior Scientist, M.B.C., Lawrence Berkeley National Laboratory, Berkeley, CA, USA
- Dr. Robert Edyvean, Deputy Head of Department, Biological and Environmental Systems Group, Department of Chemical and Process Engineering, Sheffield University, UK
- Dr Catherine Biggs, EPSRC Advanced Research Fellow, Reader, Department of Chemical and Biological Engineering, The University of Sheffield, UK
- Dr. Enrico Marsili, Assistant Professor, School of

Biotechnology, Dublin City University, Ireland

- Dr. Robert Thomas Bachmann, Senior Lecturer, Universiti Kuala Lumpur, Malaysia

National and International Linkages

- Linkage developed with A & K Pharmaceuticals, Faisalabad
- Sanna Laboratory, Faisalabad Pakistan
- Engro Foods Pakistan

INSTITUTE OF BUSINESS MANAGEMENT SCIENCES (IBMS)

National/International Research Collaborations

- Pakistan Agricultural Research Council (PARC)
- Australian Center for International Agricultural Research (ACIAR)/University of Queensland, Australia
- Pakistan Horticulture Development and Export Company (PHDEC)
- Metro (Private) Limited

National and International Linkages

- Agribusiness Development and Diversification Project (MINFA)
- Pak-Arab Fertilizer Company Limited
- Ali Akbar Company (Pvt.) Ltd.
- Askari Bank Limited
- Faysal Bank Limited

