

13th Meeting of COMSATS Coordinating Council

**Hosted by
Third World Academy of Sciences (TWAS)**

**Trieste - Italy
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**Activity report of IRCC –Sudan
April 2009 – May 2010**

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The Ministry of Science and Technology Industrial Research & Consultancy Centre



Vision

IRCC to become an institution that is competent, confident & innovative in harnessing, utilizing & advancing industrial R&D

Mission

Contribute to the National Economy
Through Sustainable Development of the
Sudanese Industry

Objectives

Product & Process
Development

Replacing Imports
by Local Materials

Human Resources
Development

Consultation &
Technology Transfer

Future Outlook

Fostering International
Cooperation

Centers of
Excellence

Infrastructure
Upgrading

Financially
Sustained Institution

IRCC Mandate

- To assist the industrial sector of Sudan by providing Technical Expertise, consultations, training and support services.
- Technology Transfer.
- R & D in areas of competence.



Departments

- Leather Research & Technology Centre (LRTC)
- Chemical Industries research department.
- Food industries research department.
- Engineering Industries Research department.
- Economy & polices of Industry & Foresight Studies department.
- Industrial Information, Documentation & publication research department.



Research Activities

Five research domains

- Sustainable Development (eight projects).
- Poverty Alleviation and Achieving the Millennium Goals(seven projects).
- Institutions and Capacity Building (ten projects).
- Upgrading Scientific Research Mechanisms and Technology Transfer (thirteen projects).
- Building The Knowledge Society (five projects).

Research

Total Number of projects	43
Completed projects	9
Patents filed	5
Refereed Scientific papers	15

Completed Projects



Kick wheel for rural population

Completed Projects



Cheese making machine

Completed Projects



Sole press for footwear craftsmen

Completed Projects



Roughing & Scouring machine



Bridge lighting system



Plastic bags shredder

Completed Projects



Laser testing equipment for viscosity & purity of edible oils

Completed Projects

- Natural anti-oxidents for food products.
- Identification of 14 new types of lactic acid bacteria.
- Design of modern rural tannery.



Infrastructure Development

- 650000 US \$ maintenance of buildings of IRCC.



- 350000 US \$ new equipments.



Infrastructure Development

- 100000 US \$ new lecture rooms & computer labs.



Conferences Workshops & Agreements

Regional Workshops	4
National Conferences & Workshops	16
Departmental Workshops	18
International MOU's	2
National MOU's	6

SS-Gate Agreement UNDP Project



Database of opportunities, partnerships, finance, assists and technologies

National Industrial Conference

These amount of data provided by industrial chambers



Enjoying the fruits of the conference

ONIP and Industrial Chambers
Southern Food Industries



Enjoying the fruits of the conference



Capacity Building (Staff)

PhD	4
MSc	12
Long term training	15
Short term courses	17
Study tours	8



SAS (IRCC) postgraduate studies:

MSc. Cleaner Production.

MSc. Mechanical Engineering Design.

MSc. Refrigeration & Air – conditioning.

MTech. Electrical Energy Production & Supply.

MTech. Underground Water Technology.

MSc. & PhD. In engineering & industrial studies by
research.



Training & Community Development



Thank You