



Industrial Research & Consultancy Centre

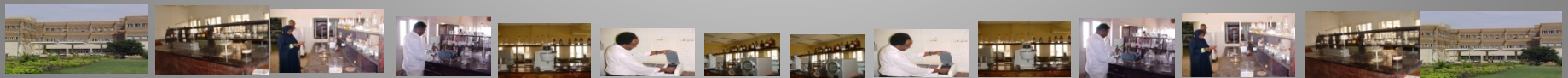
2011- 2012



Background



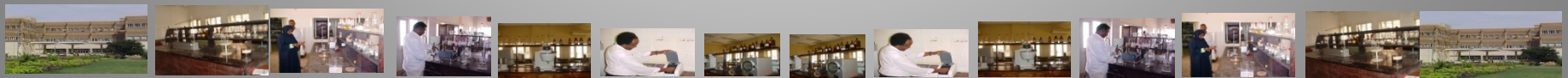
- IRCC was established with the help of UNIDO in 1965 as a national, non-commercial centre.
- 2003 – 2010 IRCC was affiliated to the Ministry of Science & Technology
- From June 2010 it has been working under the umbrella of the Ministry of Industry.



Objectives



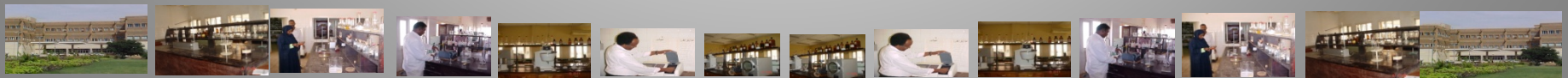
- ❑ Conduct applied research (R&D) on local raw materials for industrial exploitation.
- ❑ Design and technology transfer of Small scale industries to meet the real local needs.
- ❑ Prepare techno-economic feasibility studies of new industrial investment projects for both public and private sectors.
- ❑ Consultation services on industrial planning, production management and product design and development.
- ❑ Contributing as main player in setting up the national policies and strategies for industrial development.
- ❑ Considered as reference laboratory for the Sudanese Standards & Metrology Corporation.
- ❑ Raise awareness among industrialists, workers and government on industrial development issues.



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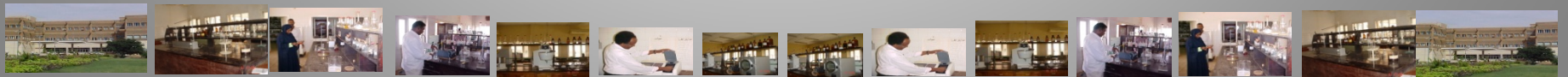


- ❑ Participate in the formulation of the national industrial development plan.
- ❑ Help identification, transfer & adoption of modern appropriate technologies.
- ❑ Raise industrial awareness.
- ❑ Preparation and marketing of industrial information.
- ❑ Formulation of training programs for employees in the various specialization in industry and supervising the implementation of such programs.
- ❑ Assist in the preparation of standard specification for the local industrial products.

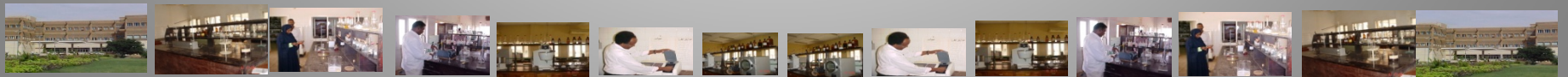


Capacity Building & Rehabilitation

WAS

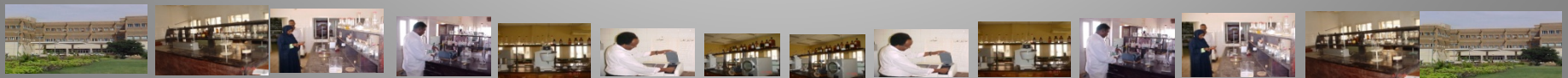


NOW



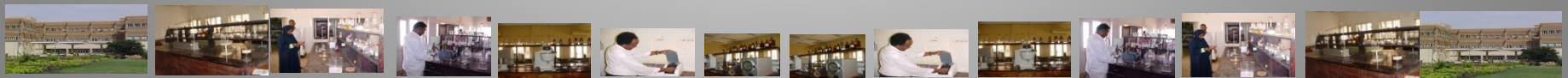


Mosque



Capacity Building (Staff):

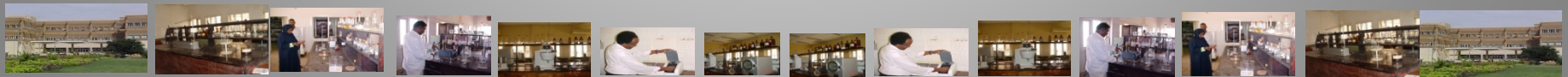
PhD	5
MSc.	2



Current Feasibility Studies

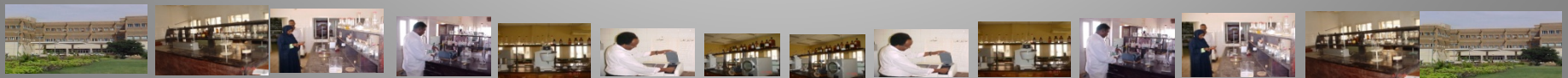
Feasibility Study to establish:

- Starch & Glucose Factory.
- Dairy Factory.
- Leather Tannery.
- Quicklime and hydrated lime.
- Slaughter house.
- Fruit and vegetable processing plant.
- Port Sudan horticultural export centre.



Consultancy Works:

Description	Number
Feasibility studies	11
Evaluation of Fixed Assets	66
Testing Services	201

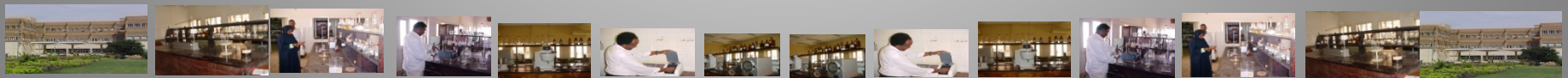


Current Programs

**Modernization and development of
Leather Industry.**

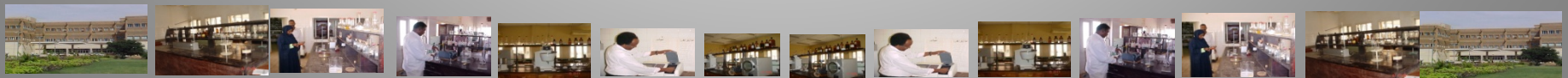
**Modernization and development
of Edible Oil Industry.**

Modernization and development of Textile
Industry.



Transfer of Technology

Performance Testing of Road Sweeping Machine

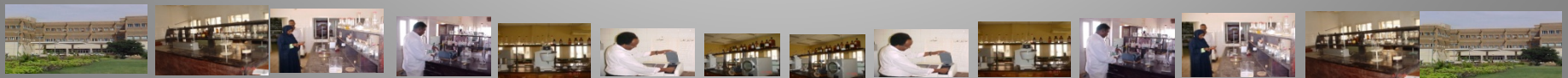


Exhibitions

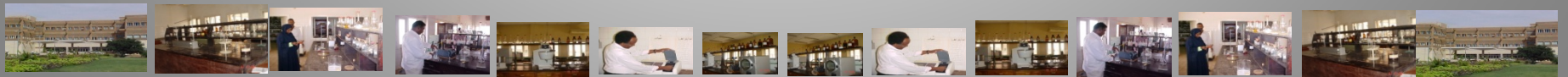
- ❑ Exhibition of Hand Crafts made by Rural women, Union of Sudanese Women (Khartoum).
- ❑ Exhibition Accompanying The 1st Conference on Small Industries (Khartoum).
- ❑ African Leather & Leather products (Addis Ababa).
- ❑ Exhibition Accompany The 74th Meeting Islamic Development Bank (Khartoum)



Our Leather Products



Our Clothing Products

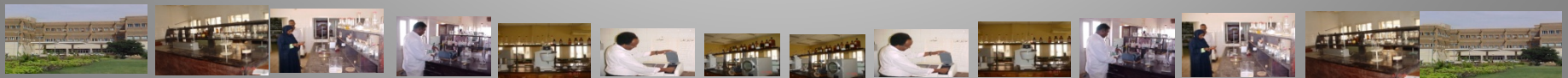


Some Research Activities:

- Production of sulphonated oils from local oils.

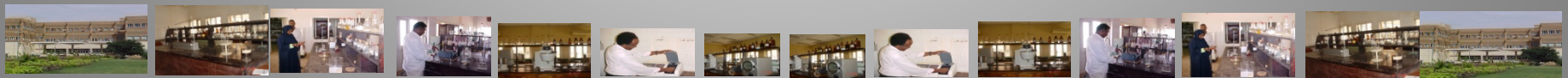


- Optimum Utilization of oil from moringa plants.
- Quality Assessment of the Sudanese soya bean cultures.
- Determination of antimicrobial activities of indigenous herbal preparations.



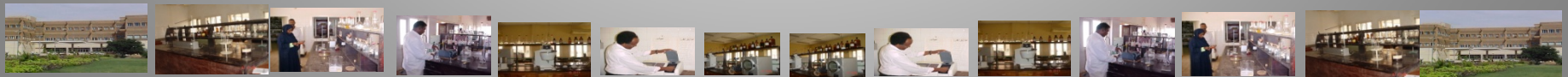
Conferences & Workshops

- ❑ African Technology Policy Network (ATPS) Sudan-Focal Point, Parliamentary Round Table, National Assembly, January-2012.
- ❑ Workshop on cleaner production techniques: the role of biopolymers in the preservation of the environment, March, 2012.



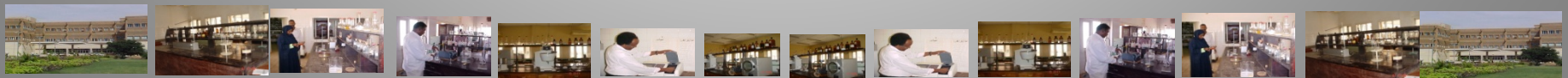
Participations

- ❑ Technical Committee meeting, ESCWA, Jordan- April 2012.
- ❑ Training workshop of SME in the rural areas, UNIDO & Ministry of Industry, Feb 2012.
- ❑ Pharmaceutical scientific society of Arab world conference, Oman, Dec 2011.
- ❑ Workshop on Impacts of Climate Change in the industrial sector, China, Nov 2011.



IRCC & Sudan Academy of Science (SAS)

- **IRCC is a member of SAS federal Union.**
- **IRCC is a certified Faculty in Engineering Research & Industrial Technologies.**

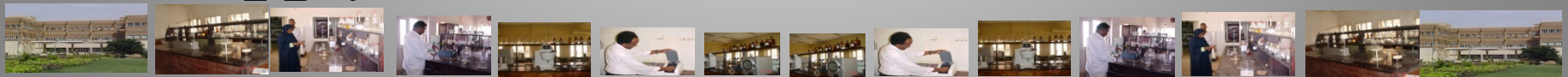


IRCC & SAS Programs

PhD & MSc. by Research.

Taught MSc. Courses in:

- **Cleaner Production.**
 - **Mechanical Engineering Design.**
 - **Refrigeration & Air- conditioning.**
 - **Mining Technology.**
 - **Electrical Energy, Production & Supply.**
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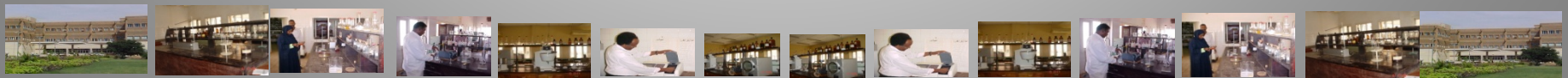
Publications

Scientific Publications:

- Published papers: 10
- Presented papers: 8

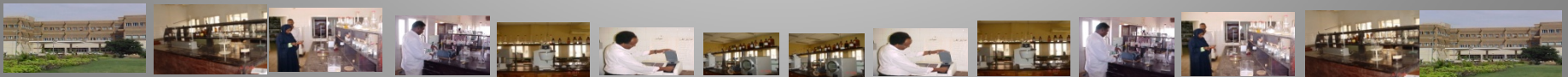
Journals:

- Industrial Research Journal (Refereed) Vol. 8, Sept 2011 & Vol. 9, March 2012.



Cry for Help

- To Setup and Run AA & IR Instruments.
- To operate CAD System for Leather Products.
- To develop Research in Solar Energy.



Thank you

