

## CV

Name: Tagelsir Ibrahim Mohamed Idris.

Birth: 1953 Atbara.

Marital status: Married, six children.

### **Academic qualifications:**

1. B.Sc. Agric. (Hon.), Option: Horticulture, Class Two, Division one. Univ. of Khartoum, 1979.
2. M.Sc. Agric. (Hort.: Plant tissue culture - Pomology), Univ. of Khartoum 1995.
3. Ph.D. (Hort.: Plant tissue culture - Pomology), Sudan Univ. of Sc. & Tech. 2002.

### **Experience:**

1. Assist. Horticulture Inspector. Ministry of Agric. May-Nov.1979.
2. Agric. Engineer, Dept. of Plant Production, King Saud Univ. 1979-1992.
3. Dept. of Hort., College of Agric. Studies (CAS) Sudan Univ. of Sc. & Tech.(SUST):
  - A. Lecturer: 1995-1996.
  - B. Assist. Prof. May 1996.
  - C. Assoc. Prof. May 2005.

### **Memberships:**

1. American Society of Hortic. Science 1986-1993.
2. International Society for Plant Tissue Culture 1987-1993.
3. Assoc. of Medicinal & Aromatic plants (Sudan): A subsidiary of the Assoc. of Agric. Res. Institutes in Near East & North Africa 2004.
4. Member of the initiative group and foundation committee of the Sudanese Society of Horticultural Sciences. May 2006.
5. Secretary General: Sudanese Soc. of Horticultural. Sciences, Feb 2007.
6. Member of Sudanese Date Palm Society 2008.

### **Professional Activities:**

1. Head of Sudan University Environmental Committee, 2005 to date.
2. Head; Department of Hort. (SUST); Member of college research board and member of the university senate: August 2003- Jan 2006.
3. Head; Pomology section (SUST) 1996-2003.
4. Member of Khartoum State Potato Committee: Seasons (2005; 2006; 2007).
5. Member of the Joint Natural Resources Committee between Ministry of Agric. (Khartoum State), Univ. of Khartoum and Sudan Univ. of Sc. & Tech. (2005).
6. Member of mango & banana improvement committee; Federal Ministry of Agric. (2002).
7. Chairperson; Elruwad Agric. Co-operative (A co-op. for agric. graduates) (1996-2004).
8. Member of a SUST & Agric. Res. Corp. team to survey cultural, pests & diseases problems of date palms in the Northern State; Sept. 2003.
9. Secretary & coordinator of symposium on (Date Palms in the Sudan); Sponsored by Sudan Univ. of Sc. & Tech. (Dec.2003).
10. Member of the Plant Tissue Culture Technical Committee for the joint venture of the Northern State and the Agric. Res. Corporation 1998.
11. Referee for the Journal of Sc. & Tech. and Univ. of Khartoum J. Agric. Sci.
12. Member of team to elaborate the courses of the B.Sc. degree and a two-year diploma in horticulture, College of Agric Studies. SUST(1996).

13. Member of team to elaborate a program for master degree in horticulture by courses and dissertation. SUST (2003).
14. Head; Team to upgrade the two-year diploma in horticulture to a three-year program (2004) and another team to revise and update the courses and contents of the B.Sc. horticulture program, SUST (2005).
15. Member of committee to revise and upgrade the syllabus of the College of Natural Resources, Gadarif University (2006).
16. Technical supervisor for the setup and running of the plant tissue laboratory of College of Agricultural Studies, SUST (2006).
17. Survey team leader to assess the current situation of date palm culture in the Northern State on behalf of the state government (2006).
18. Feasibility study team member of SUST for Umbayada development project, North Darfur; Elaborator of the horticultural sector (2007).
19. SUST team member to develop visions for better utilization of natural resources of North Kordofan, on behalf of the state government (2007).
20. Team leader of research project sponsored by SUST: Selection, conservation, and propagation of elite seedling date palm clones (2008-2011).
21. Assessor of a research project sponsored by the deanship of scientific research, King Saud University, K. S. Arabia, titled: *In vitro* selection of drought tolerant potato strains (2009).
22. Assessor of a compendium of medicinal and aromatic plants in the Arab World, The Arab Organization for Agricultural Development, 2010.
23. Member of project on improvement of food security in Sudan through management of sorghum root parasitic weeds, *In vitro* development of selective metabolic inhibitors for *Striga hermonthica*. Joint project between SUST & the Government of Japan (JICA), 2010.

#### **Symposia, workshops & Conf.:**

1. Second symposium on date palms. King Faisal Univ.; Al Hassa; Saudi Arabia (1986).
2. Second scientific conference – The national research center – Khartoum 1995.
3. Conference on dates and date palm culture in Sudan. Dongola, Northern State (1996).
4. Workshop on utilization of information technology in teaching & research (SUST & UNESCO) - 1997.
5. Symposium on Sudan's potentials for production & export of medicinal & aromatic plants. National Center for Research & Federal Min. of Agric. (1997).
6. Conference on medicinal plants in Arab countries. Union of Arab Sc. Res. Councils and the National Center for Res.; Khartoum (1997).
7. Symposium on date palm problems in Sudan. SUST (2003).
8. Indo-Sudanese workshop on medicinal and aromatic plants. Ministry of Sc. & Tech., Khartoum (14-16 Jan. 2003).
9. Workshop on evaluation of the current status of citrus in Sudan. Federal Min. of Agric. (2004).
10. Symposium on activation of date palm tissue culture program in Sudan. Agric. Res. Corp. in collaboration with the Ministry of Agric. of the Northern State. Jan. 2005.

11. Symposium on the impact of fixed organic pollutants on health & environment. Community Development Association. Agric. Bank Hall, Khartoum. Dec. 2005.
12. Symposium on problems of mango in the Sudan. Federal Min. of Agric. (2005).
13. International conference on Organic Farming. SUST, Friendship Hall, Khartoum April 2010.

### **Teaching:**

#### **A. Sudan Univ. of Sc. & Tech.:**

##### **1/ B.Sc. Courses:**

- Fruit production (1).
- Fruit production (2).
- Equatorial fruits & crop trees.
- Secondary fruits in Sudan.
- Production of medicinal & aromatic plants (1).
- Production of medicinal & aromatic plants (2).
- Physiology of horticultural crops.
- Post harvest physiology of hortic. crops.
- Plant tissue culture.
- Principles of Horticulture.

##### **2/ Diploma Courses:**

- Principles of plant production. (First year; Agric. mechanization diploma).
- Principles of hortic. (Third year; Agric. mechanization diploma).
- Principles of hortic. (Women development diploma).

##### **3/ Master of Hortic. Sc. by courses and dissertation:**

- Plant tissue culture.
- Medicinal and aromatic plants.

#### **B. Alazhari Univ.:**

##### **B.Sc. Courses:**

- Principles of fruit production.
- Fruit production.
- Equatorial fruits & crop trees.

### **Supervision of graduate studies:**

#### **A. Master degree: (13)**

1. **SUST: (9):**5 graduated, 4 on track.
2. **Omdurman Univ.: (2):**1 graduated, 1 on track.
3. **Dongola Univ.: (2):**1 graduated, 1 on track.

**B. Ph.D.: (6)**

1. **SUST:** Co-supervisor for **3**, 2 graduated.
2. **Academy of Sci. & Tech:** Main supervisor for **1**.
3. **University of Juba:** Co-supervisor for **1**.
4. **Dongola Univ.:** Co-supervisor for **1**.

**Examination of grad. Students: (15)**

1. **SUST:** Internal examiner for **5** master students
2. **U. of Khartoum:** External examiner for **11** master students
3. **University of Juba:** External examiner for **1** master students
4. **Omdurman Univ.:** External examiner for **1** master student.
5. **Nile Valley Univ.:** External examiner for **1** PhD student.
6. **Bakhterrida Univ.:** External examiner for **1** PhD student.

**Publications:**

Conf. papers:

1. Fahad A. Al-Mana & Tagelsir I. Mohamed (1992). The influence of foliar applications of BA & GA3 on Bryophyllum plants. Presented in: the 89<sup>th</sup> annual meeting of the American Society for Horticultural Science. Honolulu, Hawaii 30 July-6 Aug.
2. Tagelsir I. M. Idris & Al Fatih M. Mahdi (1995). *In Vitro* propagation of guava from basal sprout nodal explants of mature trees. The second scientific conference. National Center for Research; Khartoum.

Published papers:

1. Tagelsir I. M. Idris & Elfatih M. Mahdi (1996). Clonal propagation of guava (*Psidium guajava* L.) by tissue culture. U. of K. J. Agric. Sc. 4(2): 104-116.
2. Tagelsir I. M. Idris, E. H. Elsadig and A. E. Said (2006). *In vitro* response of pineapple to alterations in some media ingredients and incubation conditions. J. Sc. Tech. 7(1): 65-73.
3. Tagelsir I. M. Idris, Elfatih M. Mahdi and A. E. Said (2006). Enhancement of growth and control of browning of tissue cultures of guava (*Psidium guajava*). J. Sc. Tech. 7(1): 74-83.
4. Tagelsir I. M. Idris (2007). Ex-vitro growth enhancement of micro-propagated pineapple propagules. J. Sc. & Tech. 8(1): 178-184.
5. Omer A.A. Sidahmed, Awad K. Taha, Hatim J. Mardi and Tagelsir I.M. Idris (2009). The efficiency of spraying date palm trees with argel (*Solenostemma argel* Hayne) for the control of the white scale insect (*Parlatoria blanchardii* Targ.) (Homoptera, Diaspididae). J. of Sci. & Tech. 10(1):142-149.
6. Tagelsir I. M. Idris, E. M. Mahdi, Fakhreddin A. Hussein (2010). Effect of nitrogen and sulphur fertilizers on growth and leaf oil content of (Baladi) lime (*Citrus aurantifolia* L.). U of K J. Agric. Sc, 18(1):56-63.

7. Tagelsir I. M. Idris and E. M. Mahdi, Omaina A. Abdelrasoul (2010). Effect of rooting media, temperature and covering on acclimatization of *in vitro* propagated banana (*Musa sp.*). U of K J. Agric. Sc, 18(1):43-55.
8. Tagelsir I.M. Idris, Sara A.M. Ujool, E.M. Mahdi (2010). Disinfection potential of some chemicals and local herbs and proliferation studies on the *in vitro* culture of ginger (*Zingiber officinale* Rosc). J. of Sc & Tech. 11(2):90-102.
9. Abdelghaffar E. Said and Tagelsir I. M. Idris (2010). Response of zygotic embryos of date palm (*Phoenix dactylifera* L.) to *in vitro* culture. Submitted to JONRES.
10. Tagelsir I.M.Idris, Asma M.A.Ibrahim Elfatih M.Mahdi and Awad K. Taha (2010). Influence of argel (*Solenostemma argel* Del. Hayne) soil applications on flowering and yield of date palm (*Phoenix dactylifera* L.). Agriculture & Biol J North America, 2(3): 538-542.