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Name: Tagelsir Ibrahim Mohamed Idris.

Birth: 1953, Atbara, Sudan.

Marital status: Married, six children.

Mobile telephone: 00249-923982584

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 (SUST).

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): Current status: Prof. of Horticulture, since October 2011.

Memberships:

1. American Society of Hort. 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.
7. Sudan representative, International Society of Horticultural Sciences (ISHS) 2011.

Professional Activities:

1. Deputy Dean, Graduate College, SUST, 2013 to date.
2. Head; Sudan University Environmental Committee, 2005 to date.
3. Head; Department of Hort. (SUST); Member of college research board and member of the university senate: August 2003- Jan 2006.
4. Head; Pomology section (SUST) 1996-2003.
5. Member of Khartoum State Potato Committee: Seasons (2005; 2006; 2007).
6. Member of the Joint Natural Resources Committee between Ministry of Agric. (Khartoum State), Univ. of Khartoum and Sudan Univ. of Sc. & Tech. (2005).
7. Member of mango & banana improvement committee; Federal Ministry of Agric. (2002).
8. Chairperson; Elruwad Agric. Co-operative (A co-op. for agric. graduates) (1996-2004).
9. Member of a SUST & Agric. Res. Corp. team to survey cultural, pests & diseases problems of date palms in the Northern State; Sept. 2003.
10. Secretary & coordinator of symposium on (Date Palms in the Sudan); Sponsored by Sudan Univ. of Sc. & Tech. (Dec. 2003).
11. Member of the Plant Tissue Culture Technical Committee for the joint venture of the Northern State and the Agric. Res. Corporation 1998.
12. Referee for the Journals: J. Sc. & Tech.; Univ. of Khartoum J. Agric. Sc.; Sudanese J. Agric. Sciences; FRC J Food Sc. and Tech.

13. Member of the editorial board of the Journal of Science & Technology (2013).
14. 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).
15. Member of team to elaborate a program for master degree in horticulture by courses and dissertation. SUST (2003).
16. Head of 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).
17. Member of committee to revise and upgrade the syllabus of the College of Natural Resources, Gadarif University (2006).
18. Technical supervisor for the setup and running of the plant tissue laboratory of College of Agricultural Studies, SUST (2006 to date).
19. Survey team leader to assess the current situation of date palm culture in the Northern State; on behalf of the state's government (2006).
20. Feasibility study team member of SUST for Umbayada development project, North Darfur; Elaborator of the horticultural sector (2007).
21. SUST team member to develop visions for better utilization of natural resources of North Kordofan, on behalf of the state's government (2007).
22. Team leader of research project sponsored by SUST: Selection, conservation, and micro-propagation of elite seedling date palm clones (2009-2013).
23. 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).
24. Assessor of a compendium of medicinal and aromatic plants in the Arab World, The Arab Organization for Agricultural Development, 2010.
25. 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.
26. Survey team leader to assess mango productivity in Southern Kordofan; a joint mission between SUST and the Federal Horticulture Administration, April 2011.
27. Teaching participant in intensive courses on greenhouses technologies and post harvest handling for the employees of the Agriculture Ministries of the River Nile and Northern States, offered by SUST. (2012).
28. Head of organizing committee of the seminar on: Date palm research outputs in Sudan 2004-2012, sponsored by SUST (Dec. 2012).

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.
14. Conference on the Islamic stand from genetic engineering. The International Centre for Faith Research. Africa International University, Khartoum, July 2011.
15. Workshop on large scale production of date palm by tissue culture. Zadna International Investment Company, Alkadaro, Khartoum North, September 2012.
16. Seminar on date palm research outputs in Sudan, 2004-2012. College of Agricultural Studies in collaboration with the Deanship of Scientific Research, SUST 24 Dec 2012.
17. Regional workshop on chain value of dates; sponsored by FAO in collaboration with Kuwait Institute for Scientific Research, Kuwait 8-12 Dec. 2013.

Teaching:

A. Sudan Univ. of Sc. & Tech (SUST):

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 horticulture. (Third year; Agric. mechanization diploma).
- Principles of horticulture. (Women development diploma).

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

- Plant tissue culture.
- Medicinal and aromatic plants.
- Fruit production.

B. Alazhari Univ.:

B.Sc. Courses:

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

C. University of Khatroum:

Cultural practices for fruit production; a course offered to students enrolled in *Diploma of Seed Technology*.

D. Merowe Technological College:

* A course on: Plant tissue culture techniques.

Supervision of graduate studies:

A. Master degree: (14)

1. **SUST: (10):** 9 graduated, 1 on track.
2. **Omdurman Islamic Univ.: (2):** 1 graduated, 1 on track.
3. **Dongola Univ.: (2):** 1 graduated, 1 on track.

B. Ph.D.: (9)

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

Examination of grad. Students: (19)

1. **SUST:** Internal examiner for 6 master students, 1 Ph.D.
2. **U. of Khartoum:** External examiner for 10 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 Ph.D student.
6. **Bakhterrida Univ.:** External examiner for 1 Ph.D student.

Patent awarded:

Tagelsir I. M. Idris, Awatif A.M. & Awad K. Taha (2014). Scientific patent on: Use of argel leaves and stems either in powder form or aqueous extract to stimulate growth, flowering and yield of horticultural crops with broad-spectrum bio-pesticide potential to control plant pests and diseases. Registration in: Sudan's Intellectual Property Authority.

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 89th 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.
3. Tagelsir I.M.Idris (2012). Date palm culture in Sudan; feature article. Seminar on date palm research outputs in Sudan, 2004-2012. College of Agricultural Studies in collaboration with the Deanship of Scientific Research, SUST 24 Dec 2012.
4. Abobakr, K.H., Said, A.E., Addoma, A.A. and Idris, T.I. (2012). Development of a protocol for date palm tissue culture using different explants. Seminar on date palm research outputs in Sudan, 2004-2012. College of Agricultural Studies in collaboration with the Deanship of Scientific Research, SUST 24 Dec 2012.
5. Tagelsir I.M.Idris (2012). Evaluation of physico-chemical and sensory attributes of minor Nubian date palm cultivars. Seminar on date palm research outputs in Sudan, 2004-2012. College of Agricultural Studies in collaboration with the Deanship of Scientific Research, SUST 24 Dec 2012.
6. Tagelsir I.M. Idris and Hind A. Albashir (2013). Date culture in Sudan; a country paper. Regional workshop on dates chain value, FAO & KISR, Kuwait 8-12/12/2013.

Journal 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, Omaima 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. Eldoash, K.O., Taha, A.W., Idris, T.I., Sidahmed, O.A., Musa, F.A., Mardi, H.G. (2011). Application of plant based extracts for control of the green pit scale insect on date palm. Emirate J Agric. 23(5): 387-403.
10. Tagelsir I. M. Idris, Asma M.A.Ibrahim, Elfatih M.Mahdi and Awad K. Taha (2011). 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.
11. Tagelsir I. M. Idris, E. M. Mahdi, Fakhreddin A. Hussein (2011). Response of Sinnari sweet orange cultivar to the applications of urea and sulfur fertilizers. Accepted for publication in Agriculture & Biol. J. North America.
12. Tagelsir I.M. Idris, Elfatih M. Mahdi and Omaima S.A.Khidir (2012). Comparative evaluation of dry, semi-dry and soft date (*Phoenix dactylifera* L.) cultivars. U of K J. Agric. Sci. 20(1), 77-85.
13. Awad K. Taha, Khalid O.A. Eldoash, Tagelsir I.M. Idris, Omer, A.A. Sidahmed (2012). Argel (*Solenostemma argel* Del. Hayenne) applications for control of the date palm green pit scale insect (*Asterolicanum phoenicis* Rao) and yield enhancement. J. Agric. and Biol. Sciences, 7(6): 380-385.
14. Tagelsir I.M. Idris, Abdelazim A. Khidir, Mohamed A. Haddad (2012). Growth and yield responses of a dry date palm (*Phoenix dactylifera* L.) cultivar to foliar and soil fertilizers. Intl. Research J. of Agric. and Soil Sciences 2(9): 390-394.
15. Ikhlal R. Abdorabo, Abdelghaffar E. Said, Tagelsir I.M. Idris (2012). Effect of 6-benzyladenine on bud grafting in grapefruit. U of K J. Agric. Sci., 20(3): 259-274.
16. Abdelbasit A. E., Idris, T.I.M. and Said, A.E. (2013). Restoration of normal growth in vegetatively malformed "Kent" mango cultivar. Accepted for publication in: U of K J of Agric Sci.
17. Mahdi E. M. and Idris T.I.M. (2013). The effect of NaCl pretreatment on salt tolerance of tomato (*Lycopersicon esculentum* Mill.) callus grown under elevated saline conditions. Intl. Res. J. of Biotech. 4(3): 61-67.
18. Tagelsir I.M. Idris, Fakhreddin A. H. , Abdelghaffar E. Said and Elsadig H.E. (2013). Evaluation of minor Nubian date cultivars. Submitted to U of K J. Agric Sci. (June 2013).
19. Tagelsir I.M. Idris, Fakhreddin A. H. , Abdelghaffar E. Said and Elsadig H.E. (2014). Evaluation of dry seedling date selections. *Sudanese J of Agric. Sci.* 1:30-35.
20. Tagelsir I.M. Idris, Samia E. S. and Farouq H. E. (2014). Response of micro-propagated banana to fertilization. Submitted to J Sc & The. (march 2014).