

Curriculum Vitae August, 2020

Personal data:

Name: **Osama Mohamed Ahmed Elhassan**
Sex: Male
Date of birth: January 01, 1969
Place of birth: Khererasha, East of Gezira, Gezira State
Marital status: Married, with five children
Nationality: Sudanese

Address:

Cotton Research Program, Gezira Research Station
Agricultural Research Corporation (ARC)
P.O. Box 126, Wad Medani, Sudan
Mobile: +249 918227312
Tel: +249 511 843890
Fax: +249 511 843213
E-mail: osamamae90@gmail.com, omahmed90@yahoo.com

Language: Arabic (mother tongue)
English (very good)

Education:

- (a) Ph.D. Crop Production (Agronomy), Sudan Academy of Sciences (SAS), June, 2008, Khartoum, Sudan.
- (b) M.Sc. Crop Sciences (Agronomy), Faculty of Agricultural Sciences, University of Gezira, June, 1999, Wad Medani, Sudan.
- (c) B.Sc. Crop Science (Honors), Faculty of Natural Resource and Environmental Studies, University of Kordofan, December, 1995, Elobied, Sudan.

Profession:

2008- up date Associate Research Professor (Ph.D), Agronomy, crop physiology and breeding (cotton, sorghum, maize, rice and pigeon pea) Damazin and Gezira Research Station, ARC, Sudan.

2004- 2008 Assistant Research Professor, Agronomy, crop physiology and breeding, (cotton, sorghum, rice, sesame, maize, sunflower and soy bean) Damazin Res. Station, ARC, Damazin, Sudan.

1999- 2004 Research Scientist, Agronomy, crop physiology and plant breeding (cotton, sorghum, sesame, maize, sunflower) Gezira and Damazin Research Stations, ARC, Gezira and Damazin, Sudan.

1996- 1999 Assistant Scientist, Agronomy and crop physiology (cotton and sorghum), Gezira Research Station, Agricultural Research Corporation (ARC), Wad Medani, Sudan.

Work Experience:

1. I have conducting research work of agronomy, crop physiology and breeding on cash, cereal, legume, oil crop in different ecological zones.
2. I participated in the development, release, dissemination of agricultural technologies, collection and analysis of data; and reporting.
3. I participated in transfer research findings to farmers by demonstrating the advantages of an improved production package under farmers' conditions and get feedback on various productions potential.
4. I participated as a team leader and team member for many national and regional studies sponsored by the ARC, ICRISAT, ICARDA, FOA, ESCWA, ACSAD, JICA Islamic Development Bank and ASARECA.
5. I participated in many national, regional international workshops and awarded many certificates.
6. I have 18 published papers; and have 24 technologies and released papers and more than 22 national, regional and international conferences, workshop papers.
7. I participated in training of many undergraduate from different Sudanese Universities.
8. I served as a referee for Sudan Journal of Agricultural Research, Crop husbandry Committee and Committee for the Promotion of ARC Researchers.
9. I worked as a Director of Damazin Research Station, national coordinator of cotton and rice research programs (acting), ARC.
10. I worked as a main supervisor for one post-graduate student (M. Sc); co-supervisor for one M. Sc student and worked as internal examiner for two postgraduate students in the Sudan Academy of Sciences. I also, worked as an external examiner for 10 M. Sc students and for one Ph. D student in the University of Gezira and Sennar.

Participation in special projects:

1. Principal investigator and team member of collaborative research activities for development and training, particularly with regard to sorghum production and productivity enhancement in Sudan, ICRISAT and ARC, 2013- 2015.
2. Team member of project on: Sustainable intensification of sorghum- legume based systems for improved livelihood and adaptation to climate change, in Eastern Central Africa (ECA), ASARECA, 2010- 2014.
3. Team member of project: Capacity development for conservation and utilization of plant genetic resources for agricultural productivity, resilience and sustainable livelihoods in Eastern Central Africa, ASARECA, 2014- 2016.
4. Team leader of national project on: Development of cotton crop management practices under different irrigation area of Sudan, ARC Research Plan, 2015- 2020.
5. Team member of project: Development of countermeasures against striga to conquer poverty and improve food security in Sudan, National center for research and JICA, 2017- 2022.
6. National multidisciplinary team member of project: promoting food and water security in the Arab Region: Component 1: Strengthening capacity to assess impact of changing water availability on agricultural production, FAO, 2017- 2018.

7. Team member of project: Strengthening Wheat and Rice inputs and outputs markets in Sudan (proposed), Ministry of Agriculture and Forest and Islamic Development Bank, 2018- 2022.
8. Team leader of cotton crop committee, National Technical Variety Test Committee, Agricultural Research Corporation, Ministry of Agriculture and Forestry, July 2018- up date.

Training:

March- June 1999	Training course on Dos, Win word and Excel, M. Statc, Power point and Internet wep. Technical center for training and services, Damazin, Sudan.
1997- 1999	M. Sc thesis entitled with: Effect of sowing date on growth, yield and quality of four cotton varieties, Faculty of Agricultural Sciences, University of Gezira, Wad Medani, Sudan
24 Feb.–1 March, 2007	Training on Participatory Innovation Development, Practical Action and ARC, Wad Medani, Sudan.
2004- 2008	Ph. D thesis entitled with: Response of rain-fed cotton, sorghum and sesame to N and P fertilizers in the central clay plain of Sudan, Sudan Academy of Sciences, Khartoum, Sudan
25-28 th Oct. 2010	Training on Enhancing sorghum productivity in ECA: Integration of available scientific tools and deployment of existing technologies, Khartoum, Sudan.
2 nd - 6 th March 2014	Technical exchange on rice cultivation, extension and post harvest technology, Rice Research and Training Center, National Crops Resources Research Institute, Kampala, Uganda
10 th July- 10 th August, 2014	Training course on planting models and demonstrations of special economic crops for developing countries, University of Commerce and Heilongjiang College of Tourism, Harbin, China
30 Aug.- 10 th Sep. 2015	Training course on project proposal, management and reporting, International Center for Agricultural Research in Dry Areas (ICARDA), Amman, Jordan
30 June- 4 th August, 2016	Knowledge Co-Creation Program in “Development of Core Agricultural Researchers for Rice Promotion in Sub-Saharan Africa”, Japan International Cooperation Agency (JICA), Nagoya, Japan.
Nov., 2017 and March, 2018	Training Workshop on the Use of Aqua-Crop for Assessing the Impacts of Climate Change on Crop Productivity: Implementation of Component-I of the Project on “Promoting Food and Water Security through Cooperation and Capacity

- Development in the Arab Region”, ESCWA, FAO and ACSAD, Beirut, Lebanon.
- 19–20 Sep., 2018 Training Workshop on Climate Change Analysis using GIS: Component 1 of the Project “Promoting Food and Water Security through Cooperation and Capacity Development in the Arab Region” , ESCWA, FAO and ACSAD, UN House, Beirut, Lebanon.
- 31March- 4 April, 2019 Innovation for Food and Water Security in the Near East and North Africa Region, Land and Water Days, FAO-UN, Cairo, Egypt.
- 25- 29 Nov.2019 Customized Rice Breeding and Seed Multiplication, IRRI Education, Los Banos, Laguna, Philippines.

Publications:

1. Awadelkarim A. Ahmed and **Osama M. A. Elhassan** and (2020) Response of two pigeon pea (*Cajanus cajan* L.) varieties to intra-row spacing under Gezira conditions. Sudan J. Agric. Res. : (2020), 30 (1).
2. **Osama M. A. Elhassan** and Ishraga M. Hamid (2019) Response of aerobic rice (*Orazia sativa* L.) to seed rate and inter-row spacing , Gezira State, Sudan. Gezira Journal of Agricultural Sciences 2019 Vol. 17 (2).
3. **Osama M. A. Elhassan** and Awadelkarim A. Ahmed (2019) Effect of sowing date on growth and seed yield of two pigeon pea (*Cajanus cajan* L.) varieties, under irrigated conditions of Gezira, Sudan. Sudan J. Agric. Res. : (2019), 29 (1), 29- 42.
4. **Osama M. A. Elhassan**, Elnaiem A. Ali and Mohamed Y. Mohamed (2017) Response of rainfed sunflower to forms and rates of nitrogen fertilizer in the Blue Nile State, Sudan. Sudan J. Agric. Res.:(2017), 27 (1), 55- 68.
5. **Osama M. A. Elhassan** (2017) Development of Core Agricultural Researcher for Promotion of Rice Production in Sudan. Field report, J Intl Cooper Agric Dev 2017; 15: 48-53.
6. Abdel Rahman A. Mohamed, **Osama M. A. Elhassan** and Mohammed Khier Hassan. (2015) Performance and grain stability of maize (*Zea mays* L.) hybrids in the irrigated and rainfed central clay plains of the Sudan. Sudan J. Agric. Res.: (2015), 24, 17- 28.
7. **Osama M. A. Elhassan** and Abdelbagi M. Ali (2015) Performance of early maturing cotton genotypes under irrigated and rain-fed conditions, in Sudan. Sudan J. Agric. Res.:(2015), 25, 15-30.
8. Abdalla Mohamed, **Osama Elhassan**, Elnayer Suliman, Charles Mugoya, Clet W. Masiga, Adil Elhusien and Charles T. Hash (2014) First products of DNA marker-assisted selection in sorghum released for cultivation by farmers in sub-Saharan Africa. Journal of Plant Sciences and Molecular Breeding, <http://www.hoajonline.com/journals/pdf/2050-2389-2-4.pdf>.
9. Tag Elsir E. Abdalla, Abdelmagid A. Hamad, **Osama M. Ahmed**, Omer A. Elnour and Mohamed A. Salih (2013) A note on Resurgence of the Cotton Stem borer

Sphenoptera gossypii Cote as a Serious Pest in the Irrigated Schemes in Sudan, U. of K.Agric.Sci. 21(2). 308-318, 2013.

10. Eltahir S. Ali, Abdelatif M. Nour, Silvestro K. Meseka, **Osama M. A. Elhassan** and Siddig A. Elmustafa. (2012) New high yielding yellow maize (*Zea mays* L) hybrids suitable for irrigated sector and central rain land of the Sudan. Sudan J. Agric. Res. (2012), 19, 1-10.

11. Abdalla H. Mohamed, Yasir A. Gamar, **Osama M. A. Elhassan**, Mohamed H. Elgadah, and Ahmed H.A. Assar (2011) Performance of selected sorghum genotypes under rain-fed areas of Sudan. Life Sci. Int. J., Vol: 5, Issue-2, April 2011, Page: 2119-2127.

12. **Osama M. A. Elhassan**, Elnaiem A. Ali and Ibrahim N Elzein (2007) Response of sorghum to different types and rates of some N fertilizers, under rain fed conditions. Gezira j. of agric. Sci. 5 (1): 28- 39.

13. **Osama M. A. Elhassan** and Elnaiem A. Ali (2007) Response of cotton to different forms of fertilizer and N levels under Damazin rain fed conditions, Sudan J. Agric. Res. (2007), 9, 47- 54.

14. **Osama M. A. Elhassan** and Abdelrahman H A/atif (2007) The response of three cotton varieties to sowing date under rain fed conditions in Blue Nile State, Sudan J. Agric. Res. (2007), 9, 55- 66.

15. Kamal El-siddig, **Osama M.A. Elhassan** and Elfadil A. Babiker (2005) Optimum sowing date of cotton in the Gezira: A review of past experimental work, Bulletin No.1, ARC, Wad Medani, Sudan.

16. Abdalbagi. M. Ali, **Osama. M. A.** (2002) Characterization of cotton germplasm and its utilization in breeding for major production constrain in Sudan, International Symposium on (Bioresources and Environmental Stress), Feb. 22, 2002, Research Institute for Bioresources, Okayama University, Kurashiki, Japan.

17. **Osama Mohamed Ahmed**, Dafalla Dawood and Mohamoud Abdalla (2014) English and Arabic leaflets: Sustainable sorghum/legume production in marginal rainfed areas of the central clay plain of Sudan. Sustainable intensification of sorghum- legume based systems for improved livelihood and adaptation to climate change in Eastern Central Africa, ARC, Wad Medani, Sudan.

18. **Osama Mohamed Ahmed**, Dafalla Dawood and Mohamoud Abdalla (2014) Arabic manuscript: Improve of sorghum production in arid and semi arid areas of Sudan. Sustainable intensification of sorghum- legume based systems for improved livelihood and adaptation to climate change in Eastern Central Africa, ARC, Wad Medani, Sudan.

19. **أسامة محمد أحمد الحسن**، محمد إبراهيم، دنيا خلف الله، مصعب الشفيق، على التوم، أسيا عدلان، شرف الدين محمود ونبيل أحمد. 2019. تقييم تأثير التغيرات المياه المتاحة على إنتاجية المحاصيل الزراعية. تقرير دراسة الحالة في السودان. مشروع تعزيز الأمن الغذائي والمائي من خلال التعاون وتنمية القدرات في المنطقة العربية. اللجنة الاقتصادية والاجتماعية لغربي آسيا. منظمة الأغذية والزراعة للأمم المتحدة والمركز العربي لدراسات المناطق والأراضي القاحلة. بيروت، لبنان.

Conferences, Workshops and Seminars:

1. **Osama M. A. Elhassan** (2018). Cotton production in the Sudan. Over training course on main cash crop production technologies, July1st – July 30th, China-aid Agricultural Technology Demonstration Center, Masaad, Wad Medani, Sudan.

2. **Osama M.A. Elhassan** (2015) Preview of Scientific Research on Cotton in the Sudan. Training workshop on cotton cultivating technology, August 22 to November 19, 2015, China-aid Agriculture Technology Demonstration Center, Elfaw, Sudan .
3. Abdalla H. Mohamed, Elnayer H. Sulieman and **Osama Mohamed Ahmed** (2014) Write shop of project proposal: Harnessing Genetic Resources for Sorghum Climate change Resilience and Enhanced Productivity in Ethiopia, Eritrea and Sudan. The International Treaty on plant genetic resources for food and agriculture, FAO, 27-28 November, 2014, Addis Ababa, Ethiopia.
4. **Osama Mohamed Ahmed** (2014) Dissemination and promotion of released striga resistant varieties of sorghum in Sudan, inception workshop of the project: Capacity development for conservation and utilization of plant genetic resources for agricultural productivity, resilience and sustainable livelihoods in Eastern Central Africa, 18- 22 August, 2014, Ridal Hotel, Kampala, Uganda.
5. Tag Elsir E. Abdalla. Abdelmagid A. Hamad, **Osama M. Ahmed** and Omer A. Elnour (2014) Resurgence of the cotton stem borer, *Sphenoptra gossypii* Conte (Coleoptera: Buprestidae) as a serious pest in the irrigated schemes in Sudan. The 3rd conference on pests management in Sudan, February 3- 4, 2014, Wad Medani, Sudan.
6. Ahmed Abdelgadir Elsidig, Hassan A. Mubarak, **Osama Mohamed Ahmed Elhassan**, Bashir M. Ahmed, Mahasin A. Mohamed and Arafa A. Mohamed (2014) Presentation on Rice Research plan to tackle bottleneck issues. Tentative Program for 2nd Rice Sector Development Forum for Rice Production to New Horizon in Sudan. 8th January, 2014, Khartoum, Sudan.
7. **Osama M. A. Elhassan** (2013). Cotton cultivation under irrigated and rainfed conditions in the Sudan. Training workshop in cotton, November, 2013, China-aid Agricultural Technology Demonstration Center, Elfaw, Sudan.
8. **Osama M. A. Elhassan** (2012). Response of four newly released rain-fed cotton to population density, in the Blue Nile State, Sudan. 11th Meeting of inter-regional cooperative research network on cotton for the Mediterranean and Middle East Regions, November 5- 7, 2012, Antalya, Turkey.
9. Abdalla H. Mohamed, Elnayer H. Suleiman and **Osama. M. A. Elhassan** (2012). Review of progress and performance of sorghum- legume project in Sudan. November 19- 21, 2012, Arusha, Tanzania.
10. Peter Muth, **Osama M. A. Elhassan**, Abdallah Mohammed, H. Frederick W. Rattunde, Abocar Toure, Bettina I.G. Haussmann (2012). Effect of Marker-assisted Backcrossing to Introgress Resistance to Striga hermonthica into African Sorghum Varieties. “Resilience of agricultural systems against crises”. Tropentag, September 19-21, 2012, Göttingen -Kassel/Witzenhausen, German.
11. **Osama M. A. Elhassan** (2012). Sustainable sorghum/legume production and soil fertility management, in the central clay plain of Sudan, Inception Meeting of the Project: Sustainable intensification of sorghum- legume based systems for improved livelihood and adaptation to climate change, in Eastern Central Africa (ECA), 23th Jan. – 26th Jan. 2012, Khartoum, Sudan.
12. **Osama M. A. Elhassan** (2010). Optimum cultural practices for field and vegetable crops in Blue Nile State. Development and cultivation of field and vegetable crops in Blue Nile State. FAO, 12th – 17th July, 2010, Rosseris, Baw and Kormuk, Blue Nile State, Sudan.
13. **Osama M. A. Elhassan** (2009). Seed production of field and vegetable crops. Farmer field school workshop. Ministry of Agriculture and Animal Resources, Extension Department, November 24th, 2009, Damazin, Sudan.

14. Abdlbagi M. Ali and **Osama M. A.** (2003). Characterization of cotton germplasm and its utilization in breeding for major production constrains in Sudan. World Cotton Conference, 19- 23, March, 2003, Cape Town, South Africa.

15. Mohamed M. Omer and **Osama M. A.** (2003). Effect of plant density on growth and yield of cotton under Gezira, Sudan. World Cotton Conference, 19- 23, March, 2003, Cape Town, South Africa.

16. أسامة محمد أحمد الحسن (2018) استخدام نموذج Aqua-crop فى تقييم أثر التغيرات المناخية على الإنتاجية الزراعية، سمنار تم تقديمه فى يوم الثلاثاء 2018/05/8م، قاعة د. حسين إدريس، هيئة البحوث الزراعية، ودمنى، السودان.

17. أسامة محمد أحمد الحسن (2018) تقانات محاصيل العروة الصيفية (القطن، الفول السودانى، الذرة والعدسية)، دورة تدريبية لصغار المزارعين، 2018/07/23م القسم الشمالى بمشروع الجزيرة، الكاملين، السودان.

18. أسامة محمد أحمد الحسن (2018) العمليات الفلاحية لإنتاج القطن، دورة تدريبية للمرشدين والمزارعين فى مجال تقانات إنتاج القطن، 12-13 سبتمبر 2018م، مركز العزارة لنقل التقانة والتدريب- مكتب طيبة بمشروع الجزيرة.

19. أسامة محمد أحمد الحسن (2018، 2019) العمليات الفلاحية لإنتاج تقاوى القطن، دورة تدريبية للخريجين، مشروع تمكين وتشغيل خريجي الجامعات السودانية (حاضنة إنتاج التقاوى)، بدعم من بنك التنمية الأفريقى، 11 سبتمبر 2018م، ديسمبر 2019م، هيئة البحوث الزراعية، ودمنى.

20. أسامة محمد أحمد الحسن (2016) المحافظة على خصوبة التربة لاستدامة الإنتاج الزراعي بالقطاع المطرى. ندوة مقدمة فى: البرنامج المصاحب لمعرض القضايف للتقانات الزراعية السادس. 2016.03.09م ، القضايف.

21. أسامة محمد أحمد الحسن (2009) إنتاج التقاوى والأصناف الملائمة للزراعة، ورقة مقدمة فى ورشة تدريب المدربين بمدارس المزارعين الحقلية بالتعاون مع إدارة الإرشاد بوزارة الزراعة بالنيل الأزرق، 2009/11/24م، الدمازين.

22. أسامة محمد أحمد الحسن (2007) التقانات العلمية ودورها فى النهضة الزراعية ورقة عمل مقدمة لورشة تطوير الإبداعات المحلية بولاية النيل الأزرق، منظمة براكنتال أكشن، 2007/6/7م، الدمازين.

Agronomic practices technologies:

1. **Osama M. A. Elhassan**, Awadelkarim A. Ahmed and Omer A. Elnour (2019). Effect of sowing date on growth and yield of irrigated pigeon pea [*Cajanus cajan* (L.) Millsp.] varieties in the Gezira State. The 63rd meeting of the national crop husbandry committee, September, 2019, ARC, Wad Medani, Sudan.

2. Awadelkarim A. Ahmed, **Osama M. A. Elhassan** and Omer A. Elnour (2019) Response of two pigeon pea (*Cajanus cajan* L.) varieties to intra-row spacing under Gezira conditions. The 63rd meeting of the national crop husbandry committee, September, 2019, ARC, Wad Medani, Sudan.

3. Bashir M. A., **Osama M. A.**, Abdelrahman H.A. and Omer A. E. (2017) Effect of timing of last irrigation on growth, yield and water productivity in cotton under Gezira condition. The 61st meeting of national crop husbandry committee, December 2017, Wad Medani, Sudan.

4. Mohamed K. Hassan and **Osama M. A. Elhassan** (2013) Response of cotton cultivar {Barac (67)B} to different sowing dates under irrigation, at New Halfa Scheme, The 54th meeting of the national crop husbandry committee, June 20, 2013, ARC, Wad Medani, Sudan.

5. **Osama M. A. Elhassan** (2011) Response of newly released cotton varieties to plant spacing and density, under rain-fed conditions, at Damazin. The 50th meeting of the national crop husbandry committee. July, 2011, ARC, Wad Medani, Sudan.
6. **Osama M. A. Elhassan** (2011) Response of newly released cotton varieties to nitrogen and phosphorus fertilizers, under rain-fed conditions, at Damazin. The 50th meeting of the national crop husbandry committee. July, 2011, ARC, Wad Medani, Sudan.
7. **Osama M. A. Elhassan** and Abdrahman H. Abdallatif (2006) Response of some cotton varieties to sowing date under rain-fed conditions, in Blue Nile State. National crop husbandry committee meeting, Dec. , 2006, ARC, Wad Medani, Sudan.
8. **Osama M. A. Elhassan**, Elnaeim A. Ali and Mohamed Y. Mohamed (2006) Response of sunflower to form of fertilizer and N rates, under rain-fed conditions, in Blue Nile State. National crop husbandry committee meeting, Dec., 2006, ARC, Wad Medani, Sudan.
9. **Osama M. A. Elhassan** and Abdrahman H. Abdallatif (2005) Effects of inter-row and intra-row spacing on growth, yield and quality of cotton, under rain-fed conditions, in Blue Nile State. National crop husbandry committee meeting, June, 2005, ARC, Wad Medani, Sudan.
10. **Osama M. A. Elhassan**, Elnaiem A. Ali and Ibrahim N Elzein (2004) Effects of forms of fertilizers and nitrogen rates on growth and grain yield of sorghum, under rain-fed conditions, in Blue Nile State. National crop husbandry committee meeting, June, 2004, ARC, Wad Medani, Sudan.
11. **Osama M. A. Elhassan**, Elnaiem A. Ali and Abdrahman H. Abdallatif (2004) Effects of forms of fertilizers and nitrogen rates on growth, yield and quality of cotton, under rain-fed conditions, in Blue Nile State. National crop husbandry committee meeting, June, 2004, ARC, Wad Medani, Sudan.
12. **Osama M. A. Elhassan** and Kamal S. Ahmed (2001) Re-testing of optimum planting date of cotton crop in the Gezira, National crop husbandry committee meeting. June, 2001, ARC, Wad medani, Sudan

Released varieties technologies

1. Abdelbagi M. Ali, Lei Zhang, Yasir S. Mohamed, Nasrein M. Kamal, **Osama M. Elhassan**, Elnayer H. Suliman, Mahadi M.Z. Ahmed, Abubaker E. Abdalla, Mohamed K. Hassan, Mujtaba Awadalla, Omayma Elmahi, Abdelrahman H. Abdelatif, Tahani Y. Elagib, Salah Elturabi, Mohamed A. Adlan, Sufian M. Sulaiman, Mayada M. Basher¹, Nada S. Mustafa, Hanaa I. M. Ahmed, Rasha A. Omer, Mohamed Y. Elbeeli Ashmawi S. Ali, Yin Qinliang (2015). A proposal for the release of an open pollinated Bt-cotton (*G. hirsutum*) variety (Seeni 2) for production in the Sudan. National variety release committee meeting, September 5th, 2015, Khartoum, Sudan.
2. Abdelbagi M. Ali Ahmed M. Mustafa, Yasir S. Mohamed, Nasrein M. Kamal, Abdelrahim A. Ali, Elnayer H. Suliman, Mahadi M.Z. Ahmed, Abubaker E. Abdalla, Mohamed K. Hassan, Mujtaba Awadalla, Omayma E. Ahmed, Abdelrahman H.

Abdelatif, Tahani Y. Elagib, **Osama M. Elhassan**, Salah Elturabi, Mohamed A. Adlan, Sufian M. Sulaiman, Mayada M. Basher, Nada S. Mustafa, Hanaa I. M. Ahmed, Rasha A. Omer, Mohamed Y. Elbeeli, Kulkarni (2015). A proposal for the release of two Bt-hybrids (Hindi 1 and Hindi 2) of cotton (*G. hirsutum*) for production in the Sudan. National variety release committee meeting, September 5th, 2015, Khartoum, Sudan.

3. Abdel Rahman, A. M., **Osama, M. E.**, Mohammed, KH. A., Hassan A. A. Tambal, Zeied B. and Eltahir S. A. (2013). A proposal for the Release of Two Maize Hybrids for the Irrigated Central Clay Plains and Northern Sudan. National variety release committee meeting, March 6th, 2013, Khartoum, Sudan.

4. Abdel Rahman A. M., **Osama M. Elhassan**, Mohammed K. A, Moataz, E. Bashier and Yuqiu Guo. (2013). A Proposal for the Release of a Maize Hybrid for the Irrigated and Rain-fed Central Clay Plains of Sudan. National variety release committee meeting, March 6th, 2013, Khartoum, Sudan.

5. Abdelbagi M. Ali, Lei Zhang, Hengyong Xu, Nasrein M. Kamal, **Osama M. Elhassan**, Ahmed M. Mustafa, Yasir S. A. Mohammed, Elnayer H. Suliman, Ahmed H. Assar, Salah Elturabi, Abdelrahman H. Abdelatif, Aisha Elsheikh, Tahani Y. Elagib, Lotfie A. Yousif, Mohamed A. Adlan, Mohammed Hadad, Qingliang Yin, Yuqiu Guo. (2012) A Proposal for the Release of a Hybrid and a Variety of Bt-Cotton (*G. hirsutum*) for Production in the Sudan. National variety release committee meeting, March 14, 2012, Khartoum, Sudan.

6. Abdel Rahman, A. Mohamed, **Osama, M. A. Elhassan**, Mohamed Kh. Ahmed, Hashim, A. Ibrahim and Eltahir, S. Ali. (2012). A proposal for the release of maize (*Zea mays* L.) hybrids from SPIRO Seed Company, Greece for Sudan. National variety release committee meeting, May 14, 2012, Khartoum, Sudan.

7 Abdalla Mohamed, Rasha Ali, Y. Gamar, C.Mugoya, C. Masiga, S. Deshpande, D. Kiambi, A. Abu-Assar, **O. Elhassan**, E. Suliman, I. Elsadig and C.T.Hash. (2012). Dossier application for release of four *Striga* resistant sorghum varieties. National variety release committee meeting, June 19, 2012, Khartoum, Sudan.

8. Elasha A, Ibrahim N. Eldin, Ahmed H. A. Assar, Mohamad K, Hassan, Ali E. Hassan, **Osama M. A. Elhassan**, Alsiddig A. Elmustafa and Hayat Abd El Rahman Hassan. (2011) A proposal for sorghum (*Sorghum bicolor* (L.) Moench) hybrids release for irrigated and rain-fed sectors of the Sudan. National variety release committee meeting. July 3rd, 2011, Khartoum, Sudan.

9. Eltahir S. Ali, Abdelatif M. Nour, Silvestro K. Meseke, **Osama M. A. Elhassan** and Siddig A. Elmustafa. (2009) A proposal for the release of maize (*Zea mays* L.) hybrids from PANNAR Seed Company for utilization in Sudan. National variety release committee meeting. June 15, 2009, Khartoum, Sudan.

10. Abdalla H. Mohamed, Yasir A. Gamar, Ahmed H. Abu-Assar, Mohamed H. Elgada, and **Osama M. A. Elhassan** and Tahani Y. Elagib. (2009) A proposal for the Release of Two Early Maturing, High Yielding and Drought Tolerant Sorghum Genotypes in the Sudan. National variety release committee meeting. June 15, 2009, Khartoum, Sudan.

11. Ahmed M. Mustafa, Elfadil A. Babiker, **Osama M. A. Elhassan**, Hassan. O. Kannan and I. A. Hussain (2006) Proposal for the release of new high yielding and early maturing cotton cultivars (Damazin and BB65) for rain-grown sector in the Sudan. National variety release committee meeting. Khartoum, Sudan.

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1. International Cotton Researchers Association (ICRA), initiative of the International Cotton Advisory Committee (ICAC), Washington- USA, with the purpose of stimulating research collaboration across the world, including assistance with organizing World Cotton Research Conferences (WCRC).

2. Sudanese Agricultural Engineers Union (SAEU), Khartoum, Sudan.

3. Sudanese Environment Conservation Society, Wad Medani, Sudan.

4. عضو اللجنة الأحصائية الاستشارية لمراجعة الأوراق المقدمة للجنة القومية لفلاحة المحاصيل، هيئة البحوث الزراعية،

References contact:

1- Prof. Dr. Kamal Elsidig

Duty Director General, Agricultural Research Corporation (ARC)

P.O. Box 126, Wad Medani, Sudan

E-mail: kamalelsiddig56@hotmail.com

Website: www.arcsudan.sd

Tel: +249 511 843890

Mobile: +249912536032

Fax: +249 511 843213

2- Prof. Dr. Elasha A. Elasha

Head, Cereal Research Center

Editor in Chief, Sudan Journal of Agricultural Research

Agricultural Research Corporation (ARC)

P.O. Box 126, Wad Medani, Sudan

E-mail: elashaelasha@yahoo.com

Tel: +249 511 843216

Mobile: +249961940252

Fax: +249 511 843213

3- Prof. Dr. Abdalla Hassan Mohamed

Senior Scientist, Sorghum breeding and Genetics

Sorghum research program coordinator

Gezira Research Station, Agricultural Research Corporation (ARC)

P.O. Box 126, Wad Medani, Sudan

E-mail address: Abdalla_moh2002@yahoo.com

Skype: abdalla6593

1- Prof Dr. Elamin Y. Raddad

Director, Human Resources Development Management

P.O Box 126, Wad Medani, Sudan

Email: elamin.raddad@yahoo.com

Tel: +249 511 824260

Mobile: +249 915695288