

Curriculum Vitae

Name: GAMIL GAMAL ABD EL- MOTEY

TITLE: Lecturer of Meteorology

Affiliation and official address

Cairo University, Institute of African Research & Studies, Department of Natural Resources, Giza, P.O.B. 12613, Egypt

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Date and place of birth: 27 March 1984, El Badrashine, Giza, Egypt

Nationality: Egyptian

Status: Married

Education: (degrees, dates, universities)

- ❖ PhD in Meteorology (2015), Institute of African Research and Studies.
- ❖ Pre-Doctorate in African Studies "Natural Resources" (Jan 2011), Institute of African Research and Studies Awarded grade is Distinction/ excellent.
- ❖ MSc in African Studies "Natural Resources (Meteorology)" (Jan 2010).
- ❖ Pre-master in African Studies "Natural Resources" (June 2007), Institute of African Research and Studies Awarded grade is Distinction/ excellent.
- ❖ Diploma in African Studies "Natural Resources" (June 2006)
- ❖ Institute of African Research and Studies, awarded grade is Distinction/ very good.
- ❖ Bachelor of Science in meteorology and physics (July 2005) Faculty of science, Cairo University with very good accumulative grade.

Career/Employment (*employers, positions and dates*)

- Lecturer (Meteorology) – Department of Natural Resources - Institute of African Research and Studies (IFRS), Cairo University (CU), 2015-present.
- Lecturer assistant (Meteorology) – Department of Natural Resources - Institute of African Research and Studies (IFRS), Cairo University (CU), 2010-2015.



- Teaching Assistant (Meteorology) – Department of Natural Resources - Institute of African Research and Studies (IFRS), Cairo University (CU), 2006 - 2010.

Fields of Specialisation

- (i) Climate modelling and Climate Change
- (ii) Future climate scenarios
- (iii) Extreme climate indices
- (iv) Land – atmosphere interactions

Current research activities

- Study the extreme climate indices of many regions in Egypt by RClimDEX and ClimPACT R-Packages, also Sudan
- Study the impact of climate change on solar radiation in Morocco and Libya
- Using regional climate model (ICTP-RegCM) to study the climate-land Interaction mainly in the Nile Basin region.
- Study the climatology of the tropical Africa and comparisons with the output of GCMs models for choosing the best models coincide with observed data for the study area.
- Studying the future climate of tropical Africa by using the best performance models.

Awards and Prizes:

- Awarded a certificate of appreciation and a medallion from the Faculty of science-Cairo University in "Meteorology and Physics" (2005).
- Awarded a certificate of appreciation and a medallion from the "Egyptian Syndicate of Scientific Professions" (2005).
- Awarded a certificate of appreciation from the Faculty of science-Cairo University in "the First Conference of Scientific Agencies" (2005).
- Awarded a certificate of appreciation and a medallion from the (memberships of Cairo University club) (2007).

Language Skills

	Read	Write	Speak
• Arabic (native language)	Excellent	Excellent	Excellent
• English (TOEFL score 500 local)	Very Good	Very Good	very Good
• French	basic	basic	basic

Computer Skills

- Linux
- Good command of Microsoft Office (Excel, Word, power point).
- GrADS (Grid Analysis and Display System)
- NCL
- CDO
- SPSS

Workshops and Conferences

- ✚ Short visit (Erasmus + staff mobility training fellowship), Freie University of Berlin, 27/6/2017 to 5/7/2017.
- ✚ Final Workshop "Sustainable Urban Development in Arid Cities via Establishment of Urban Climate Labs in Egypt" 16.-18.12.2016, TU Berlin Campus El Gouna, Egypt
- ✚ MEDCLIVAR, 2016 conference, learning from the past, perceiving the present, and engaging the future, 26-30 September 2016, Athens, Greece
- ✚ The International Conference on Regional Climate-CORDEX 2016 (ICRC-CORDEX 2016), 17th-20th May 2016, Stockholm, Sweden.
- ✚ Workshop "Establish a Dynamic Knowledge Base, Forecast and Assess the Catastrophic Climate Conditions Events along Sinai Peninsula and the Suez Canal Corridor with the 21 Century" –National Water Research Centre, Egypt, 27 March 2016
- ✚ Advanced School & Workshop on Subseasonal to Seasonal (S2S) Prediction & Application to Drought, 23 November - 4 December 2015, ICTP, [Italy](#)

- ✚ Fall school of Statistical and mathematical tools for the study of climate extremes, 9-13 Nov. 2015, Cargèse, [France](#)
- ✚ The 2nd international conference new horizons in basic and applied science” (ICNHBAS), 1-6 August, 2015, Hurghada, Egypt
- ✚ Research visit in ICTP centre Italy from 11-5-2014 to 7-6-2014, including participation to the "Seventh ICTP workshop on the theory and Use of Regional Climate Models"
- ✚ The 3rd International Conference on "Sustainable Development of Natural Resources in the Nile Basin Countries" from 14-15 April 2014. Cairo, Egypt
- ✚ 6th panel discussion of the Cairo Climate Talks (CCT) “A Greener Cairo Visions and Realities” 29th April, 2012, DAAD.
- ✚ "8th International Scientific Conference- Environment, Development, and Bioinformatics", Faculty of Science, Al-Azhar University, Cairo, Egypt, 26-28, March, 2012.
- ✚ 5th panel discussion of the Cairo Climate Talks (CCT) “Climate Change – How vulnerable is Egypt” 12th March 2012, Sawy Culture wheel.
- ✚ Germany-Egypt-Arab-Region (GEAR) Alumni-Network Workshop "Climate Change and Rural Development in Egypt: Challenges for Agriculture and Veterinarian Sciences", Cairo University, Conference Centre, 15-17, December 2011.
- ✚ "workshop on climate chemistry interactions over Egypt and Nile Basin", Faculty of Science, Cairo University, Egypt, November 2011
- ✚ Climate Change- Mitigation & Adaptation Advanced International open seminar, Mercure Romance Hotel, Alexandria, Egypt, 24th May 2010.
- ✚ 5th International Conference of Scientific Research and its Applications, Cairo University, Egypt, December 21-24, 2009.
- ✚ "The 2nd International Conference of Natural Resources in Africa "Sustainable Development of Natural Resources in the Nile Basin Countries" from 11-12 May 2009.
- ✚ Workshop about air pollution over Cairo, Faculty of Science, Cairo university (2005)

Courses Attended

- Training on "Regional Climate Model and Application, Egyptian Meteorological Authority, 2-13, September 2012.
- Egyptian Meteorological Authority (EMA) training, weather maps analysis, weather station and measurement instruments (August 2004).
- Microsoft Office (Excel, Word, Power point) and Internet tools (Scientific Calculation Centre – Institute of Statistical Studies and Research – Cairo University) (July 2006).
- Training course on "Statistical Data Analysis and Statistical Package SPSS" from Institute of Statistical Studies and Research – Cairo University) from (12/4-30/4)2009.
- Workshop in microclimate field measurements, Hurghada, 2016.
- Training course in "Developing the skills of the design of the E-learning courses", E-learning centre, Cairo University, Egypt, 9 -12, October, 2011.

Publication:

1. **Gamal G.,2017**, Future Analysis of Extreme Temperature Indices for Sinai Peninsula-Egypt Imperial Journal of Interdisciplinary Research (IJIR) 3 (Issue-1), 1960-1966
2. **Gamal G., et al., 2016**, Impacts of land use change and horizontal resolution in local climate by RegCM4 model (ppt), CORDEX-ICRC, 17th-20th May 2016, Stockholm, Sweden.
3. **Gamal G., et al., 2015**, Climatic effects of surface condition in regional climate model over Nile Basin", unpublished PhD thesis
4. **Gamal G., et al., 2015**, Impact of different land surface schemes in regional climate model (RegCM4), ICNHBAS Conference, Hurghada, 4-8 Aug 2015.
5. **Gamal G., et al., 2014**, land-climate interaction in Nile Basin by using regional climate model (RegCM4),"The 3rd International Conference on "Sustainable Development of Natural Resources in the Nile Basin Countries", 14-15 April 2014, Cairo University, Egypt.

6. **Gamal G.**, Climate variability of East and West Africa, International conference of Water and Energy in the Nile Basin,26-27 February 2014,Cairo University ,Egypt
7. **Gamal G., et al.**, 2012,Rainfall variability over west Africa, 8th International Scientific Conference, Environment, Development, and Bioinformatics, Faculty of Science, Al-Azhar University, 26-28 March 2012, Cairo, Egypt
8. **Gamal G., et al.**, Al Afandi G.S., 2010, Future climate of Nile Basin countries, International Conference "prospects for cooperation and integration among the Nile Basin countries : opportunities and challenges", 25-26 May 2010, Egypt
9. MSc thesis "Study of Climate Change over Tropical Africa", Jan. 2010

Poster:

1. **Gamal G., 2016**, Analysis of Temperature extreme indices at Northern Coast of Egypt", MEDCLIVAR, 2016 conference, learning from the past, perceiving the present, and engaging the future, 26-30 September 2016, Athens, Greece
2. **Gamal G., et al, 2015**, "ICTP RegCM model to study the impact of different land surface schemes on regional climate of Nile Basin", Advanced School & Workshop on Subseasonal to Seasonal (S2S) Prediction & Application to Drought, 23 November - 4 December 2015, ICTP, Italy
3. **Gamal G., et al, 2015**,"Present and future extreme climate indices over Sinai Peninsula", fall school of Statistical and mathematical tools for the study of climate extremes, 9-13 Nov. 2015, Cargèse, France