

Curriculum Vitae
Mohamed Saber Mohamed Sayed, Ph.D.
Assistant Professor of Hydrology



URL: <http://mohamedsaber.webs.com/>

Personal Data

Nationality: Egyptian

Date and place of birth: 25 December, 1975, Fayoum, Egypt.

Marital status: Married

Permanent address: Geology Department, Faculty of Science, [Assiut University](#),
Assiut 71516, Egypt.

Mailing address: Geology Department, Faculty of Science, [Assiut University](#),
71516, Assiut, Egypt.

E-mail: msaber_75@yahoo.com
mohamed.saber.hydro@gmail.com

Fax: 002 088- 342708

Telephon: 002 084 6716178 (Home)
002 088 2412299 (Work)
002 01521194492 (Mobile)

Education History

Ph.D. in Hydrology, Graduate School of Engineering, Kyoto University, Japan (Sept. 2010),
Dissertation title: *“Hydrological Approaches of Wadi System Considering Flash Floods in
Arid Regions”*

M.Sc. in Structural Geology ,Assiut University, Egypt, (Feb. 2003). Dissertation: *“Structural
evolution and deformational phases of the area around Gebel El Mayyit, Central Eastern
Desert , Egypt”*, 187pp.

B.Sc. General Geology, Assiut University, Egypt, (June, 1997).

Professional Experience

July 2012– Now: **Assistant Professor** at *Geology Department, Faculty of Science, Assiut University, Egypt.*

April. 2012 – July 2012: A **Researcher** at *Nile Basin Initiative (NBI) Eastern Nile Subsidiary Action Program (ENSAP), Eastern Nile Technical Regional Office (ENTRO), Addis Ababa, Ethiopia.*

Dec. 2011– April. 2012: **Assistant Professor** at *Geology Department, Faculty of Science, Assiut University, Egypt.*

Sept., 2011 – Dec. 2011: **Postdoctoral Researcher** at *Kyoto University , DPRI, WRRRC, Japan.*

Dec., 2010 – Sept. 2011: **Assistant Professor** at *Geology Department, Faculty of Science, Assiut University, Egypt.*

Oct., 2010 – Nov. 2010: **Postdoctoral Researcher** at *Kyoto University , DPRI, WRRRC, Japan*

Jan., 2010 – Mar., 2010: **Research Assistant** at *GCOE_ARS Project of Kyoto University , DPRI, WRRRC, Japan.*

Jul., 2006- Sept., 2010: **Doctoral Student** at *Kyoto university , Graduate School of Engineering, Urban Managment Department, DPRI, WRRRC, Japan.*

Feb.,2003 – Jul., 2006: **Assistant Lecturer** at *Geology Department, Faculty of Science, Assiut University, Egypt.*

Nov. 1997 – Feb. 2003: **Demonstrator** at *Geology Department, Faculty of Science, Assiut University, Egypt.*

Journal Publications

1. **M. Saber, M. Abdel-Fattah, A. Sefelnasr, A. A. Bakheit, and M. Senosy:** The Vulnerability of Some Urbanized Regions to the Threat of Flash Floods Based on Numerical Modelling, along the Nile River, Egypt, (in preperation)
2. **M. Saber, M. Shaaban, A. Sefelnasr, A. A. Bakheit, and M. Senosy:** An integrated study of Hard rock aquifers in the Eastern Desert, Egypt, (in preperation)
3. **M. Saber, T. Hamaguchi, T. Sumi T. Kojiri and K. Tanaka.:** Distributed Hydrological study of Flash Flood and its impact on Groundwater at the Nile River Sub-catchments, Egypt (in preperation)
4. **Saber M., Hamaguchi T., Kojiri T:** New approach of initial and transmission losses in arid regions, (in preperation)
5. **Saber M., Hamaguchi T., Kojiri T., and Tanaka K. (2011):** A physical-Based Distributed Hydrological Model of Wadi System to Simulate Flash Floods in Arid Regions, *J. of Hydro-Environemnt Research*, (submitted)

6. **Saber M., Hamaguchi T., Kojiri T., and Tanaka K. (2010):** Hydrological Modeling of distributed Runoff Throughout Comparative Study Between Some Arabian Wadi basins , *Annual J. of Hydraulic Eng., JSCE*, Vol.54, pp. 85-90.

Confrences Papers

1. **S. Abo-Eldahab, M. Saber, M. Ghandour:** Water quality modeling of Al-Zennar drain considering its impact on the Nile River Water, Egypt, *The International Conference on Environmental Hydrology and Environmental Impacts on the Nile Water Resources*, 28-30 August, 2012
2. **Saber M., Hamaguchi T., Kojiri T., Tanaka K., S.A. Kantoush T. Sumi:** Mitigation Strategies Based on Flash Floods Simulation Considering Water Resources Management at Wadi El-Arish, Sinai Peninsula, Egypt, *International Symposium on Dams for A changing world, ICOLD, Kyoto, Japan, June 1-8, 2012.*
3. **S.A. Kantoush, Saber M., T. Sumi, I. Elshennawy, M. AZIZ, M. SENOUSY H. Awad, A. Sefelnaser (2011):**" Bridging the gap between prevention research, education and practice: Japan Egypt-Hydro Network (JE-HydroNet), *International Symposium on Dams for A changing world, ICOLD, Kyoto, Japan, June 1-8, 2012.*
4. **S. Abo-Eldahab, M. Saber, M. Ghandour:** Evaluation the Effect of Al-Zennar Drain Wastewaters on the Nile River Water, Egypt, *The 9th International Conference around future prospects of the development environment in the Arab world and confront the challenges*, 21-24 April, 2012
5. **M. M. Abdelshafy, G. Zidan, M. Saber and M. Elamine:** Geochemical evaluation of groundwater quality IN Manfalut District, Assuit, EGYPT. *The second JE-HydroNet symposium on the Nile River system and the Delta of Egypt (Extended abstract)*, GUC, Cairo, Egypt, 20-21 March, 2012.
6. **Amal S. M. A. Elsonbaty, Mohamed Saber and Mohmoud Ghandour:** Assessing the efficiency of Arab El-Madabegh wastewater treatment plant, Assiut city, *The second JE-HydroNet symposium on the Nile River system and the Delta of Egypt (Extended abstract)*, GUC, Cairo, Egypt, 20-21 March, 2012.
7. **A. Kamal, T. Hamaguchi, T. Sumi, K. Tanaka, and M. Saber:** Two-dimensional Horizontal Basin-scaled Groundwater Modeling with Moving Boundary of the Nile River Delta, Egypt, *The second JE-HydroNet symposium on the Nile River system and the Delta of Egypt (Extended abstract)*, GUC, Cairo, Egypt, 20-21 March, 2012.
8. **Saber M., Hamaguchi T., T. Sumi, Kojiri T., and Tanaka K.:** Hydrological Simulation of Flash Floods Considering Prevention and Mitigation Strategies at Wadi EL-Arish, Sinai Peninsula, Egypt, *The second JE-HydroNet symposium on the Nile River system and the Delta of Egypt (Extended abstract)*, GUC, Cairo, Egypt, 20-21 March, 2012.
9. **Khalid A. Ouda, Mahmoud M. Senosy, Mohamed Gad, Galal Hasan, Mohamed Saber:** *New Finding in Geology, Geomorphology, and groundwater potentiality of the Great Sand Sea, Western Desert, Egypt*, , *Geology of the Nile Basin Countries Conference (GNBCC-2012)*, Alexandria, Egypt, 20th - 22nd March, 2012, P 98-103
10. **Saber M.:** Distributed Hydrological study of Flash Flood and its impact on Groundwater at the Nile River Sub-catchments, Egypt, *Geology of the Nile Basin Countries Conference (GNBCC-2012)*, Alexandria, Egypt, 20th - 22nd March, 2012, , P 105

11. **M. Abdel-Fattah, M. Saber, Bakheit. A. A.**, Extended abstract "Flash Flood Simulation Using Physical-Based Model at Wadi Qena Eastern Desert, Egypt" *The 2nd JE-HydroNet symposium on the Nile River system and the Delta of Egypt, 2012*
12. **S. Abo-Eldahab, M. Saber, M. Ghandour:** Water quality evaluation of Al-Zennar drain considering its impact on the Nile River Water, Egypt, *The second JE-HydroNet symposium on the Nile River system and the Delta of Egypt by Extended abstract, 20-21 March, 2012*
13. **S.A. Kantoush, T. Sumi, Toshiharu Kojiri, Saber M., I. Elshennawy, H. Awad, A. Sefelnaser (2011):**"JE-HydroNet: Modern Methodologies for the Management, Monitoring and Planning of Integrated Water Resources in the Nile Delta of Egypt". *The 34th IAHR World Congress, 2011.*
14. **Hamaguchi T., Saber M., and Kojiri T. (2010):** Theoretical Approaches to Initial and Transmission Losses in Wadi System Considering the Compatibility with Empirical models. *The 5th conference of the Asia Pacific Association of Hydrology and Water resources, 2010.*
15. **Saber M., Hamaguchi T., Kojiri T., and Tanaka K. (2010):** Application of GSMaP Precipitation to Flash Flood Simulation at the Nile River Basin Considering Wadi System, *Annual Conference of Japan Society of Hydrology and Water Resources, held from 9-11 Sept., 2010, Tokyo University, Japan, (Extended Abstract).*
16. **Saber M., Hamaguchi T., Kojiri T., and Tanaka K. (2010):** Flash Flooding Simulation Using Hydrological Modeling of Wadi Basins at Nile River Based on Satellite Remote Sensing Data, *Annals of the Disaster Prevention Research Institute, Kyoto University, pp. 441-456.*
17. **Hamaguchi T., Saber M., Kojiri T. (2010):** Theoretical Consistency between Empirical and Hydrological Models of Transmission Losses in Wadi Floods, *Annals of the Disaster Prevention Research Institute, Kyoto University, pp. 436-440.*
18. **Saber M., Hamaguchi T., Kojiri T., and Tanaka K. (2009):** Hydrological Modeling of Runoff Features of Arabian Wadi Basins through Comparative Studies, *Annual Conference of Japan Society of Hydrology and Water Resources, held from 19-21 August, 2009, Japan, (Extended Abstract).*
19. **Saber M., Hamaguchi T., Kojiri T., and Tanaka K. (2009):** Spatiotemporal Runoff Features of Hydrological Modeling in Arabian Wadi Basins through Comparative Studies, *Annals of the Disaster Prevention Research Institute, Kyoto University, No 52B, 18p.*
20. **Saber M., Hamaguchi T. and Kojiri T. (2008):** Hydrological Modeling Considering Wadi System in Arid Area and its Application to Water Resources Management. *The 4th conference of the Asia Pacific Association of Hydrology and Water resources, Nov. 3-5, 2008.*
21. **Saber M., Hamaguchi T. and Kojiri T. (2008)** Spatial Distribution of Runoff Discharges considering Wadi channel flow with upscaling technique based on homogenization theory. *Proc. of 8th Int. Conf. of Advances on Hydro-Science and Eng., Nagoya, Japan. Vol. VIII, PP.614-623.*
22. **Saber M., Hamaguchi T. and Kojiri T. (2008):** Hydrological Model of Distributed Wadi System Considering Surface and Subsurface Runoff. *Annual Conference of Japan Society of Hydrology and Water Resources, held from 26-28 August, 2008, Japan, pp. 68-69 (Extended Abstract).*
23. **Saber M., Hamaguchi T. and Kojiri T. (2008):** Surface Runoff Modeling of Ephemeral Streams Considering Homogenization Theory in Arid Regions, *Wadi Assiut in Egypt. Annals of the Disaster Prevention Research Institute, Kyoto University, No 51B, 15p.*
24. **Hamaguchi, T., Kojiri, T. and Saber, M. (2007):** Hydrological application of upscaling technique based on homogenization theory, *Proceeding of 2007 Annual Conference, Japan Society of Hydrology and Water Resources, pp. 44-45. (Extended Abstract).*
25. **Yossef. M.M., Hassan M.A. and Saber, M. (2003):** Structural evolution and deformational phases of the area around Gebel El Mayyit, Central Eastern Desert, Egypt. *3th Inter. Conf. Of*

the Geology of Africa 7 –9th , December, 2003). Geol. Dept., Fac. Of Sci., Assiut Univ. Assiut, Egypt, Vol. (I) p-p. 173-194.

26. **Yossef. M.M., Hassan M.A. and Saber, M. (2003):** Kinematics of Conjugate Riedel shear zone systems in the area of Gebel el Mayyit, Central Eastern Desert, Egypt. *3th Inter. Conf. Of the Geology of Africa, 7 –9th, December, 2003. Geol. Dept., Fac. Of Sci., Assiut Univ. Assiut, Egypt, Vol. (I) p-p. 195-210.*

Invited Talks

1. The Threat of Flash floods in Arid Regions, New Approach for Simulation, Mitigation and Management, “*First Global Summit of Research Institutes for Disaster Risk Reduction: Exploring New Paradigms of Natural Disaster Research*” Nov. 24-25, 2011, Kyoto University Japan .
2. Hydrological Simulation of Flash Floods Considering Prevention and Mitigation Strategies at Wadi system, Egypt, *GCOE_ARS, JE-HydroNet Symposium, held Oct. 26, 2010, Kyoto University Japan*
3. Surface Runoff Modeling of Ephemeral Streams Considering Homogenization Theory in Arid Regions, Wadi Assiut, Egypt, (*Integrated Seminar, Kyoto Univ., held June 23, 2008*).

Honors and Awards

1. USAID/STDF JUNIOR SCIENTIST DEVELOPMENT VISITS GRANTS, 8 months , 2012
2. Governmental Doctoral scholarship Award funded by Ministry of Higher Education of Egypt. (July, 2006-Sept, 2010)
3. Assiut University, Faculty of Science prize for being on the top of Geology Department Students, Bachelor of Science, 1997.

Conferences and workshops participation

- The training on Remote Sensing Applications, 27 June-1 July 2012, Debre Zeit, Ethiopia.
- The first National Workshop in Ethiopia, 23-24 June 2012, Hawassa, Ethiopia
- The University Water Sector Partnership 4th Annual meeting (Strengthening Ethiopian Universities in integrated River System Management), 16-17 May 2012, Ghion Hotel, Addis Ababa, Ethiopia.
- *International Symposium on Dams for A changing world, ICOLD, Kyoto, Japan, June 1-8, 2012.*
- GCOE-ARS, JE-HydroNet Symposium of the Nile River Basin, DPRI, Uji campus, Kyoto University, Egypt. Oct. 26, 2010.
- Annual Conference of Japan Society of Hydrology and Water Resources, held from Sept 8-11, 2010, Tokyo University, Japan.
- Bi-Annual workshop of Kyoto University, Japan, and Seoul National University, Korea, held at Kyoto University, 2010.
- 54th Conference of Hydraulic Engineering, Mar. 3-5, 2010, Hokkaido University, Hokkaido, Japan, Mar. 3-5, 2010.
- Annual meeting of DPRI, Uji campus, Kyoto University, Japan, 23-24, Feb, 2010.
- GCOE-ARS Workshop on Science and Education Programs, DPRI, Uji campus, Kyoto University, Egypt. 12-14 January 2010.

- Annual Conference of Japan Society of Hydrology and Water Resources, held from 19-21 August, 2009, Ishikawa, Kanazawa, Japan.
- The Forth Conference of the Asia Pacific Association of Hydrology and Water Resources (APHW), held from 3-5 Nov., 2008, at Department of Civil Engineering, Nagoya University, Japan.
- The Eighth International Conference on Hydro-Science and Engineering (ICHE), held from 9-12 Sept., 2008, at Department of Civil Engineering, Nagoya University, Japan.
- The Eighth International Conference on Hydro-Science and Engineering, held from 9-12 Sept., 2008, at Department of Civil Engineering, Nagoya University, Japan.
- Annual Conference of Japan Society of Hydrology and Water Resources, held from 26-28 August, 2008, at Waseda University, Tokyo, Japan.
- Annual Conference of Japan Society of Hydrology and Water Resources, held from 25-27 July, 2007, at Civil Engineering Department, Faculty of Engineering, Nagoya University, Japan.
- Bi-Annual workshop of Kyoto University and Seoul National University, Korea, held in Seoul National university, 2007.
- The Fourth International Conference on the Geology of Africa held from 15-16 Nov., 2005, at Geology Department, Faculty of Science, Assiut University, Egypt.
- The Third International Conference on the Geology of Africa held from 7-9 Dec., 2003, at Geology Department, Faculty of Science, Assiut University, Egypt
- The Fifth International Conference on the Geology of The Middle East held from 20-21 Jan., 2003, at Geology Department, Faculty of Science, Ain Shams University, Cairo, Egypt
- The Second International Conference on the Geology of Africa held from 28-30 October, 2001, at Geology Department, Faculty of Science, Assiut University, Egypt
- The Second International Conference on Basic Sciences and Advanced Technology held from 5-8 Nov., 2000, Faculty of Science, Assiut University, Egypt
- The First International Conference on the Geology of Africa held from 23-25 Nov., 1999, at Geology Department, Faculty of Science, Assiut University, Egypt

Professional Affiliations

- Member of *the Geological Society of Egypt* (GSE).
- Member of Japan Society of Civil Engineering.

Languages Skills

- Arabic native speaking
- English (Excellent)
- Japanese (poor)
- Deutsch (poor)

Training Courses and Activities

- Application of Remote Senseing in Mineral Exploration; (EU TEMPUS Course) held from May 8, 2011 to May 11, 2011 at Assiut University, Faculty of Science, geology Department, Egypt

- 3D Geological and hydrogeological Modelling with Groundwater Managmnet Aspects (EU TEMPUS Course) *held from Feb 12, 2011 to Feb 18, 2011 at Assiut University, Faculty of Science, geology Department, Egypt*
- GIS Training Course in Hydrogeology and Environmental Geology *held from 4-10 June, 2005 at the Martin Luther University Halle-Wittenberg, Germany.*
- Training Course in Photography and its scientific applications *held from 10-15 september, 2001 at Assiut University, Faculty of Science, geology Department, Egypt*
- Training Course in preparation of teacher" General Education origins" held from 8-18 may, 1999 at Assiut University, Faculty of Education, **Egypt**

Teaching and Mentoring

Graduate and undergraduate courses:

- Hydrology and Hydrogeology
- GIS and remote Sensing application in water resources
- Hydraulics
- Programming Language (FORTRAN)
- Structural Geology
- Structure analysis
- General Geology

Master Students Supervisions:

- 7 Master theses, Assiut University, Faculty of Science.
- 2 Students, Diploma

Others

- International TOEFL Certificate (Score 560)
- International Computer Driving Licence (ICDL), UNESCO Cairo office.

References

- **Prof. Moustafa Yousouf**, Professor of Structural Geology, Geology Department, Faculty of Science, Assiut University, Egypt, e-mail: myosef943@yahoo.com
Address: Geology Department, Faculty of Science, Assiut University, Assiut 71515, Egypt.
- **Prof. Mohamed Abdelarouf**, Professor of Igneous and Metamorphic Rocks, Geology Department, Faculty of Science, Assiut University, Egypt, e-mail: raoufaliss@yahoo.com
Address: Geology Department, Faculty of Science, Assiut University, Assiut 71515, Egypt.
- **Prof. Mahmoud Mohamed Senosy**, Professor of applied geophysics, Geology Department, Faculty of Science, Assiut University, Egypt, E-Mail: mmsenosy@yahoo.com
Address: Geology Department, Faculty of Science, Assiut University, Assiut 71515, Egypt.

- **Prof. Kojiri Toshiharu**, Professor of Civil Engineering Disaster Prevention Research Institute, Water Resources Research Centre, Kyoto University, e-mail: kojiri.toshiharu.8u@kyoto-u.ac.jp
Address: Disaster Prevention Research Institute, Kyoto University, Gokasho, Uji, Kyoto, 611-0011, Japan.
- **Prof. SUMI Tetsuya**, Professor of Civil Engineering, Disaster Prevention Research Institute, Water Resources Research Centre, Kyoto University, e-mail: sumi.tetsuya.2s@kyoto-u.ac.jp
Address: Disaster Prevention Research Institute, Kyoto University, Gokasho, Uji, Kyoto, 611-0011, Japan.
- **Prof. Kenji Tanaka**, Professor of Civil Engineering, Disaster Prevention Research Institute, Water Resources Research Centre, Kyoto University, e-mail: tanaka.kenji.6u@kyoto-u.ac.jp
Address: Disaster Prevention Research Institute, Kyoto University, Gokasho, Uji, Kyoto, 611-0011, Japan.