



CURRICULUM VITAE



Dr. Mosad Ahmed Ghareeb Ibrahim
Lecturer of Medicinal Chemistry

Assistant Manager of Technology, Innovation and Commercialization Office (TBRI-TICO)

Other name formats:

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Scopus Author ID: 35744609400 (5 citations/2 h Index)

Google Scholar Citations: 40

h Index: 5

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Home Tel. 002-01122034012; **Mobile Tel.** 002-01012346834.

PERSONAL DATA:

Sex: Male.

Date of Birth: 24 / 02 / 1980

Place of Birth: Gezert El-Nagdi, Kaluib City, El-Kaluibia, Governorate, Egypt.

Citizenship/Nationality: Egyptian.

Religion: Muslim.

Marital Status: Married, have 2 children (Son 11/11/2011 & Daughter 15/09/2013).

EMPLOYMENT HISTORY:

On 01/10/2003	*Demonstrator Medicinal Chemistry Laboratory, Biochemistry & Molecular Biology and Medicinal Chemistry Department, Theodor Bilharz Research Institute (TBRI), P.O. Box 30 Imbaba, Giza, Egypt.
On 15/03/2011	*Assistant Lecturer Medicinal Chemistry Laboratory, Biochemistry & Molecular Biology and Medicinal Chemistry Department, Theodor Bilharz Research Institute (TBRI), P.O. Box 30 Imbaba, Giza, Egypt.
On 29/12/2014	*Lecturer Medicinal Chemistry Laboratory, Biochemistry & Molecular Biology and Medicinal Chemistry Department, Theodor Bilharz Research Institute (TBRI), P.O. Box 30 Imbaba, Giza, Egypt.

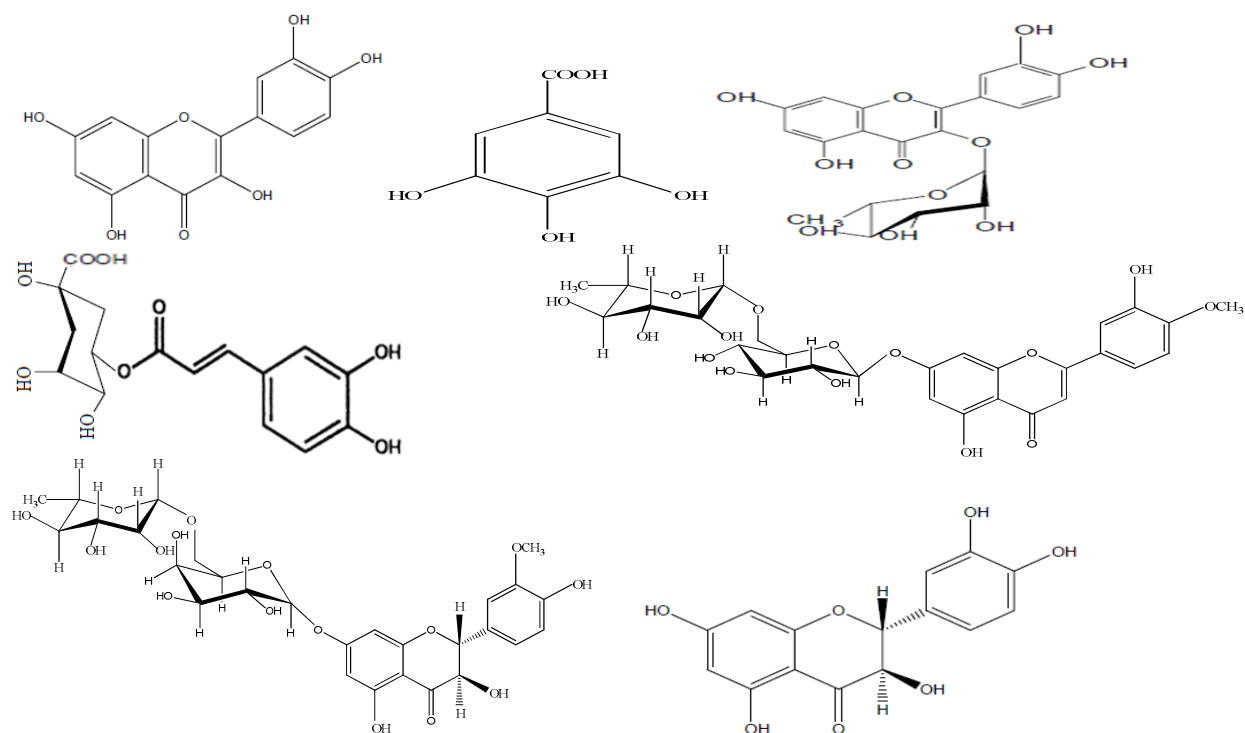
EDUCATION / ACADEMIC HISTORY:

02/06/2014 5/2012-6/2014	Ph.D. Degree in Chemistry (Chemistry of Natural Products) – Awarded by Faculty of Science – Ain Shams University – Egypt. The Thesis entitled: "Chemical and Biological Investigation of <i>Gmelina arborea</i> and <i>Tectona grandis</i> (Family Verbenaceae)"
27/10/2010 9/2006-10/2010	M.Sc. Degree in Chemistry (Chemistry of Natural Products) – Awarded by Faculty of Science – Ain Shams University – Egypt. The Thesis entitled: "Isolation of certain chemical constituents from <i>Azadirachta indica</i> and <i>Ficus</i> spp. and their assessment as hepatoprotective agents"
May 2002	B.Sc. Degree in Chemistry (Organic Chemistry) - Awarded by Faculty of Science - Benha University – Egypt. Graduated with: (77.5% Very Good).

Research Area& Interests:

Medicinal Chemistry, Chemistry of natural product, phytochemistry including isolation, purification and structural elucidation of the different classes of natural products which isolated from medicinal plants. Biological evaluation of the different extracts as well as fractions and the isolated compounds as anti-tumor (Cell Lines), anti-HIV, antimicrobial, antioxidant and hepatoprotective activities. Study the structure activity relationship (SAR) of the isolated compounds as well as nanoparticles technology. In details, my research interests focus on finding out novel bioactive antioxidant and anticancer chemo-preventive agents from the medicinal plants by subjecting the plants under investigation to comprehensive bioassay-guided investigation to isolate and evaluate the anticancer related activities of the known and novel secondary metabolites that might be present in these plants. Isolation and identification of the potent anti-tumor lead compounds based on various chromatographic methods, and spectroscopic NMR and MS analysis. Study the mechanism of action and evaluating the cytotoxicity, antioxidant and antitumor *in vitro* activities of the obtained extracts, fractions, sub-fractions, and the isolated secondary metabolites in a close collaboration with the biologists and pharmacologists.

Research activities:



Structures of the phenolic compounds purified from methanol extracts of the leaves of *T. grandis*. The structures shown are based on the $^1\text{H-NMR}$, $^{13}\text{C-NMR}$, UV and IR data and the known structures of identified reference compounds.

Supervision and Co-Supervision of M.Sc and Ph.D Thesis:

S.N.	Thesis Title	Status
1	"Phytochemical and Biological Study of Some Species of Family (Araucariaceae)". M.Sc. Thesis – Faculty of Pharmacy – Al-Azhar University- Cairo-Egypt.	Current
2	"Isolation and Identification of Certain Bioactive Chemical Constituents from <i>Callistemon citrinus</i> and <i>Syzygium jambos</i> Plants". M.Sc. Thesis – Faculty of Science – Menoufia University- Menoufia- Egypt.	Current
3	"Morphological, phytochemical and molecular studies on some species of Myrtaceae Juss". Ph.D. Thesis- Faculty of Science- Ain Shams University- Cairo-Egypt.	Current

Current Position:

Lecturer (Medicinal Chemistry)

Medicinal Chemistry Laboratory, Biochemistry & Molecular Biology and Medicinal Chemistry Department, Theodor Bilharz Research Institute (TBRI), P.O Box 30 Imbaba, Giza, Egypt.

Function: RESEARCH.

General Specialization: Organic Chemistry.

Specific Specialization:

Medicinal Chemistry.

Chemistry of Natural Products & Biological applications & Spectroscopic Chemistry.

Memberships:

- 1- The Egyptian Chemical Society.
- 2- The Egyptian Society of Endoscopy and Hepatogastroenterology.
- 3- The Egyptian Society of Natural Toxins.
- 4- Scientists Syndicate of Egypt.
- 5- Arab Society for Medical Research.
- 6- Group Polyphenols (**France**).
- 7- Euro-Mediterranean Association of Life Sciences (EMALS).
- 8- Egyptian Society of Pharmacology & Experimental Therapeutics.
- 9- Egyptian Society of Moringa.
- 10- GA "Society for Medicinal Plant and Natural Product Research" (**Germany**).

EXPERIENCES:

- 1- Experience in the extraction, isolation, and purification of the natural occurring compounds from medicinal plants.
- 2- Experience in the structure elucidation using ^1H , ^{13}C -NMR), LC/MS, LC/MS-MS, GC/MS, HR-ESI, IR, and UV.
- 3- Experience in the isolation of different plant constituents using Preparative Reversed Phase-High Performance Liquid Chromatography (RP-HPLC, PDA-HPLC, ESI-HPLC and LC/MS).
- 4- Lecturer at Theodor Bilharz Research Institute for the undergraduate students (Extraction, preliminary phytochemical screening, and bioassay guided fractionation) since 2003 up to now.

LANGUAGES AND COMPUTER SKILLS:

- 1- Excellent spoken and written English. (TOEFL* with Score 500)
- 2- International Computer Driving License (ICDL) Skill Card No. EGY000123214.

REFEREE TASKS:

Reviewer for the following International Journals:

1. Medicinal Chemistry Research (2013). www.editorialmanager.com/mcre/PersonInfo.aspx
2. Issues in Biological Sciences and Pharmaceutical Research (2013).
3. Medicinal Chemistry Research (2014). www.editorialmanager.com/mcre/PersonInfo.aspx
4. British Journal of Pharmaceutical Research (2014).
5. Medicinal and Aromatic Plant Research Journal (2014).
6. World Journal of Medicine and Medical Science Research (2014).
7. Agricultural and Food Chemistry (2014). <http://pubs.acs.org/doi/full/10.1021/jf506178r>
8. Advancement in Medicinal Plant Research (2015).
9. Medicinal and Aromatic Plant Research Journal (2015).
10. Medicinal Chemistry Research (2015). www.editorialmanager.com/mcre/PersonInfo.aspx

EDITORIAL TASKS:

* *Member in Editorial board* for the following International Journals:

- 1- Applied Science Reports (ASR).
<http://www.pscipub.com/Journals/Data/JList/Applied%20Science%20Reports/Pages/Editorial%20Board.aspx>.
- 2- International Research Journal of Biochemistry and Biotechnology (IRJBB).
<http://www.premierpublishers.org/irjbb/editors>.
- 3- Analytical and Medicinal Chemistry Letters (AMCL).
<http://www.pharmaresearchlibrary.com/editorial-board-amcl/>.
- 4- World Journal of Pharmaceutical Sciences (WJPS).
http://www.wjpsonline.org/editorial_board.php

LIST OF PUBLICATIONS:

2009

1. Mortada M. El-Sayed, Maher M. El-Hashash, Eman A. El-Wakil, **Mosad A. Ghareeb**. **Total Phenolic Contents and Antioxidant Activities of *Ficus sycomorus* and *Azadirachta indica*. *Pharmacologyonline* 3, 590-602, 2009. (Cited 3 times).**

2010

2. Mortada M. El-Sayed, Maher A. Mohamed, Hanan A. El-Nahas, Sayed A. El-Toumy, Eman A. El-Wakil, **Mosad A. Ghareeb***. **Bio-guided isolation and structure elucidation of antioxidant compounds from the leaves of *Ficus sycomorus*. *Pharmacologyonline* 3, 317-332, 2010. (Cited 6 times).**

2011

3. Mortada M. El-Sayed, Ahmed M. Abdel-Hadi, Abdel-Nasser A. Sabra, Mahar A. Mohamed, Eman A. Elwakil, **Mosad A. Ghareeb***. **Effect of *Ficus sycomorus* and *Azadirachta indica* extracts on liver state of mice infected with *Schistosoma mansoni*. *Journal of the Egyptian Society of Parasitology* 41(1), 77-88 2011. (Cited 4 times).**

2011

4. El-Sayed M. M., Mahmoud M. A., El-Nahas H. A., El-Toumy S. A., El-Wakil E. A., **Ghareeb M. A***. **Chemical constituents, antischistosomal and antioxidant activity of methanol extract of *Azadirachta indica*. *Egyptian Journal of Chemistry* 54, 105-119, 2011.**

2013

5. **Mosad A. Ghareeb***, Hussein A. Shoeb, Hassan M.F. Madkour, Laila A. Refahy, Mona A. Mohamed and Amal M. Saad. **Radical scavenging potential and cytotoxic activity of phenolic compounds from *Tectona grandis* (Linn.). *Global Journal of Pharmacology* 7(4): 486-497, 2013. (Cited 5 times).**

2014

6. Hussein A. Shoeb, Hassan M. F. Madkour, Laila A. Refahy, Mona A. Mohamed, Amal M. Saad, **Mosad A. Ghareeb***. **Antioxidant and cytotoxic activities of *Gmelina arborea* (ROXB.) leaves. *British Journal of Pharmaceutical Research* 4(1): 125-144, 2014. (Cited 6 times).**

2014

7. **Mosad Ahmed Ghareeb***, Hussein Ahmed Shoeb, Hassan Mohamed Fawzy Madkour, Laila Abdel-Ghany Refaey, Mona Abdel-Motagaly Mohamed, Amal Mohamed Saad. **Antioxidant and cytotoxic activities of *Tectona grandis* Linn leaves. *International Journal of Phytopharmacology* 5(2): 143-157, 2014. (Cited 5 times).**

2014

8. **Mosad A. Ghareeb***, Hussein A. Shoeb, Hassan M.F. Madkour, Laila A. Refahy, Mona A. Mohamed and Amal M. Saad. **Antioxidant and cytotoxic activities of flavonoidal compounds from *Gmelina arborea* (Roxb.). *Global Journal of Pharmacology* 8(1): 87-97, 2014. (Cited 5 times).**

2014

9. Marwa S. Salem, Dalal B. Guirguis, Eman A. E. El-Helw, **Mosad A. Ghareeb**, Hamed A. Y. Derbala.

Antioxidant Activity of Heterocyclic Compounds Derived from 4-(4-Acetamidophenyl)-4-oxobut-2-enoic Acid. *International Journal of Science and Research* 3(5): 1274-1282, 2014.

2015

10. **Mosad A. Ghareeb**, Laila A. Refahy, Amal M. Saad, Nadia S. Osman, Mohamed S. Abdel-Aziz, Maha A. El-Shazly, Asmaa S. Mohamed.

In Vitro Antimicrobial Activity of Five Egyptian Plant Species. *Journal of Applied Pharmaceutical Science.* 5(2): 045-049, 2015.

2015

11. **Mosad A. Ghareeb**, Laila A. Refahy, Amal M. Saad, Nadia S. Osman, Mohamed, Maha A. El-Shazly, Asmaa S. Mohamed.

Cytotoxic screening of three Egyptian plants using brine shrimp lethality test. *International Journal of Pharmacy and Pharmaceutical Sciences.* 7(9):507-509, 2015.

2016

12. **Mosad A. Ghareeb**, Laila A. Refahy, Amal M. Saad, Wafaa S. Ahmed

Chemical composition, antioxidant and anticancer activities of the essential oil from *Eucalyptus citriodora* (Hook.) leaves. *Der Pharma Chemica.* 8(1):192-200, 2016.

AWARDS:

1- 2003 Academic Excellence in **Bachelor Best Achievers** from President of Arab Republic of Egypt Mohamed Hosny Mubarak and Minister of Administrative Development.

Conferences and Congresses:

1- Theodor Bilharz Research Institute Symposium. Attended and Participation in the activities organized in the Symposium Entitled "**Liver Diseases and Cancer Bladder**" as a contribution to the German Egyptian year science and technology at Theodor Bilharz Research Institute (TBRI) - Egypt in 21/10 /2007.

2- "**The Second Scientific Meeting in Hepatogastroenterology**" between Theodor Bilharz Research Institute (TBRI) and Beaujon Hospital (France) at Theodor Bilharz Research Institute - Egypt in 17th March, 2008.

3- 4th International Infection Control Conference of Theodor Bilharz Research Institute "**Neglected Infectiology and Associated Infection Control Problems**" at Theodor Bilharz Research Institute - Egypt during 10-13 November, 2008.

4- 12th Annual congress of Egyptian Society of "**Pancreatic Islet Transplantation Research for Diabetic Patients**" at Ramsis Hilton Hotel-Cairo-Egypt during 24-25 November, 2010.

5- 9th Annual conference "**Diabetes: Gut and Liver**" at National Training Institute-Egypt during 26-27 September, 2012.

- 6- The National Egyptian Center of Clinical & Environmental Toxicological Research [NECTR] **"Drinking Water between Pollution and Toxicity"** during 22 October, **2012**.
- 7- 14th Annual Congress of **"Egyptian Society of Pancreatic Islet Transplantation Research for Diabetic Patients"** at Marriott El Zamalek Hotel, Cairo-Egypt during 21-22 November, **2012**.
- 8- **"The Sixth Annual Scientific Meeting in Hepatogastroenterology"** between Theodor Bilharz Research Institute (TBRI) and Beaujon Hospital (France) at Theodor Bilharz Research Institute - Egypt during 25th November, **2012**.
- 9- The National Egyptian Center of Clinical & Environmental Toxicological Research [NECTR] **"Doping and Youth Causes and Risk"** 6 March, **2013**.
- 10- The 5th Diabetic Foot conference of the Egyptian Society of **"Diabetic Foot (ESDF)"**. 3-4 October, Pyramisa Hotel, Cairo, Egypt, **2013**.
- 11- **"The International Congress of Egypt for Hepatogastroenterology (ICEHG)"**. 18th-20th March, Grand Hyatt Hotel, Cairo, Egypt, **2014**.
- 12- **"The Seventh Annual Scientific Meeting in Hepatogastroenterology between Theodor Bilharz Research Institute and Beaujon Hospital (France)"** 1st February, Theodor Bilharz Research Institute, Egypt, **2015**.
- 13- **"The 13th Congress of the "Egyptian Association for the study of liver and Gastrointestinal Diseases" [EASLGD]**. 3-5 March, Grand Nile Towers Hotel Cairo, Egypt, **2015**.
- 14- **"The 21st Annual El-Fayoum Congress of Applied GIT & Hepatology"**. National Egyptian Society of Hepatology & Gastroenterology In Collaboration with El-Fayoum General Hospital. 2-3 April, Helnan Auberge El-Fayoum Hotel, **2015**.
- 15- **"Conservation and Sustainable Use of Egyptian Medicinal Plants Using Biotechnological Approaches"**. 31 May, Organized by Science and Technology Fund and Tanta University, **2015**.
- 16- **"12th Annual Conference [Diabetes: Gut and Liver]"**. National Training Institute-Egypt during 2-3 September, **2015**.
- 17- **"5th Annual Meeting Liver Cancer; Where We Are?"**. Grand Nile Towers Hotel-Cairo 4-5 November, **2015**.

International Conferences, Congresses:

- 1- **The 1st Euro- Mediterranean Conference of "Plant Natural Products: from Biodiversity to Bioindustry"**. National Research Center, Cairo, Egypt (**Attendance & Poster**) 8-10 December **2009**.
- 2- **The 4th Euro-Mediterranean Conference of Natural Products and Drug Discovery (BioNat-IV): Back to Mother Nature**. National Research Center, Cairo, Egypt (**Attendance**) **03 March 2015**.

Training Courses and Workshops:

- 1- **"Gene Expression Training Course"** at Theodor Bilharz Research Institute-Biochemistry Department-Egypt during 17-21 June, 2007.
- 2- **"Workshop of Ethics in Medical Research"** at Theodor Bilharz Research Institute (TBRI) - Egypt in 25th February, 2008.
- 3- **"AD Instruments Lab Tutor Workshop"**. Cairo University, Egypt, 3rd April, 2013.
- 4- **"Extraction of Active Components from Medicinal and Aromatic Plants"**. Special Unit for Training (SPUT), Pharmaceutical and Drug Division, National Research Centre (NRC), Dokki, Giza, Egypt from 01/02/2015 to: 05/02/2015.
- 5- **"The Improvement of Research Skills of Students and Researchers"**. Workshops organized by the scientific group: By Science it Will Be A Paradise (BSIWBP) and sponsored by: Nahda University and Nahda Centre for Improving Egyptian' Inventors (NCFIE'I). 2, 9 and 16 April 2015.
- 6- **"In recognition of attending and participating in A Workshop on: How to Write a Patent?"** National Research Centre-Patents Office, 15th April 2015.
- 7- **"Publishing in High Ranked Journals"**. Workshop, Royal Society of Chemistry, NIDOC, 3rd of May, NRC, Giza, Egypt, 2015.
- 8- **"In recognition of Actively Participating In the Symposium held by Nutrition and Food Science Department, entitled; Healthy Nutrition: Prevention and Clinical"**. 29 April, 2015, National Research Centre, Dokki, Giza, Egypt.
- ٩- ورشة عمل "عن النتائج البحثية للمورينجا فى مجال (الطب والبيئة والزراعة والصناعات الغذائية)" . ٢٠١٥-٥-٤ . المركز القومى للبحوث -دقى -جيزة-مصر.
- 10- **"Awareness About Quality in Health Care"**. Workshop, June 3, NRC, Giza, Egypt, 2015.
- 11- **"In recognition of attending and participating in Training Workshop on: How to Write a Patent? Products Development"** National Research Centre-Patents Office, 15-16th June, 2015.
- 12- **"Training Program on Valorization of Research Results"**, ASRT 6-11 Dec. 2015.
- 13- **"From Research and Ideas to Real Solutions for Real Problems"**, TICO office- Nile University, Monday 14 December 2015.
- 14- **"Building Bridges: Research and Economy"**, BioKMT-Cancer Research, Egypt, Research Network, 22 Dec. 2015, Greek Campus, Cairo.
- 15- **"Scientific Writing for International Publications (ISI-Scopus)"**, 29 December 2015 NRC.

CONTRIBUTION TO GENBANK

1- *Aspergillus fumigatus* 3T-EGY/ Accession no. KP140961

<http://www.ncbi.nlm.nih.gov/nuccore/KP140961>

2- *Geomyces pannorum* ATS2-EGY/ Accession no. KP109702

<http://www.ncbi.nlm.nih.gov/nuccore/KP109702>

3- *Penicillium* sp. SAM16-EGY/ Accession no. KP125952

<http://www.ncbi.nlm.nih.gov/nuccore/KP125952>

4- *Eurotium rubrum* 2TS-EGY/ Accession no. KP120893

<http://www.ncbi.nlm.nih.gov/nuccore/KP120893>

PROJECTS AND COOPERATIONS AGREEMENT:

1- Member of the Research Team of the Project Entitled:

Bioactivity of certain secondary metabolites from some Egyptian plants and fungi species (No. 103 A).

Principle Investigator Prof. Dr. Laila Abdel-Ghany Refahy.

Medicinal Chemistry Laboratory, Biochemistry& Molecular Biology and Medicinal Chemistry. Department, Theodor Bilharz Research Institute (TBRI).

Warrak El-Hadar-12411, P.O Box 30 Imbaba, Giza, Egypt.

Web Site: <http://www.tbri.sci.eg>.

2- Co- Principle Investigator for the Cooperation Agreement Entitled:

Chemical and Biological Investigation of *Gmelina arborea* and *Tectona grandis* (Family Verbenaceae) (No.100 A).

Principle Investigator Prof. Dr. Laila Abdel-Ghany Refahy.

Medicinal Chemistry Laboratory, Biochemistry& Molecular Biology and Medicinal Chemistry. Department, Theodor Bilharz Research Institute (TBRI).

Warrak El-Hadar-12411, P.O Box 30 Imbaba, Giza, Egypt.

Web Site: <http://www.tbri.sci.eg>.

3- Member of the Research Team of the outside Project funded by the Science and Technology Development Fund (STDF) (No. 5979) Entitled:

Recent approaches in the utilization of *Moringa oleifera* and *Moringa peregrina* as a good nutritional, medicinal and industrial plant in Egypt.

Principle Investigator Prof. Dr. Aboul Fotouh Mohamed Abdullah.

Horticultural Technology Department-Division of Agricultural Sciences, National Research Center. Dokki-12311, Cairo, Egypt. Web Site: <http://www.nrc.sci.eg/nrc/>

4- Co- Principle Investigator for the Cooperation Agreement Entitled:

The Role of Some Plants extracts in Raising Resistance of Snails to Infection with Trematodes.

Principle Investigator Assoc. Prof. Dr. Hanan Shahat Mossalem.

Medical Malacology Laboratory.

Theodor Bilharz Research Institute (TBRI).

Warrak El-Hadar-12411, P.O Box 30 Imbaba, Giza, Egypt.

Web Site: <http://www.tbri.sci.eg>.

5- Member in the Egyptian- Moroccan International Cooperation Agreement (No. 8-2-11) Entitled:

Isolation and screening of actinobacteria from Moroccan-Egyptian ecosystems as biological control agents against the crown and root rot of tomato caused by *Fusarium oxysporum* f.sp. (radices-lycopersici) Sacc.

Principle Investigator Prof. Dr. Mohamed El-Sayed Abdel-Aziz.

Department of Microbial Chemistry, Genetic Engineering and Biotechnology Division, National Research Center. Dokki-12622, Cairo, Egypt. Web Site: <http://www.nrc.sci.eg/nrc/>

PROFESSIONAL LINKS:

<https://www.linkedin.com/pub/mosad-ghareeb/67/24/2b0>

<http://tbri-eg.academia.edu/MosadGhareeb>

http://scholar.google.com.eg/citations?view_op=add_citation&hl=en&imq=Mosad+Ghareeb&btnA=1

https://www.researchgate.net/profile/Mosad_Ghareeb2/publications

<https://orcid.org/my-orcid>