

## CURRICULUM VITAE



### 1. PERSONAL DATA

**Name:** Omar Mohamed Mohamed Sabry

**Date of Birth:** 07/10/1964

**Place of Birth:** Egypt

**Nationality:** Egyptian

**Contact Address:** Faculty of Pharmacy, Cairo University, Kasr El-ainy street,  
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### 2. ACADEMIC/PROFESSIONAL PARTICULARS

#### (a) Field of Specialization:

Major: Pharmaceutical Sciences

Minor: Medicinal and Natural Products Chemistry

Botany and Medicinal Plants - Pharmacognosy

#### (b) Academic Qualifications

PH.D. (PHARMACEUTICAL SCIENCES – PHARMACOGNOSY AND NATURAL PRODUCTS CHEMISTRY) -  
**February 2004** - COLLEGE OF PHARMACY - OREGON STATE UNIVERSITY – USA. **New Bioactive Natural  
Products From Marine Algae and Cyanobacteria.** GPA = 3.84

PH.D. GRADUATE STUDENT – **October 1999 - February 2004** - COLLEGE OF PHARMACY - OREGON  
STATE UNIVERSITY - USA. GPA = 3.80

PH.D. GRADUATE STUDENT – **September 1998 – October 1999** CHEMISTRY & BIOCHEMISTRY  
DEPARTMENT - SOUTH DAKOTA STATE UNIVERSITY - USA

PH.D. GRADUATE STUDENT – **September 1994 – September 1998** - PHARMACOGNOSY DEPARTMENT.  
COLLEGE OF PHARMACY – CAIRO UNIVERSITY – EGYPT

MASTER OF PHARMACEUTICAL SCIENCES (PHARMACOGNOSY AND NATURAL PRODUCTS  
CHEMISTRY) - **April 1989 - September 1994** - COLLEGE OF PHARMACY – CAIRO UNIVERSITY - EGYPT  
**Phytochemical Studies On Certain Citrus Species Growing In Egypt .** GPA = 3.90

BACHELOR OF PHARMACEUTICAL SCIENCES - September 1982 - July 1987 - COLLEGE OF PHARMACY  
- CAIRO UNIVERSITY - EGYPT GPA = 3.70

**(c) Academic Honors and Awards**

- 1- Award from Malaysian Natural Products Society for the Poster Presentation (**Bioactive Natural Compounds From *Acokanthera sp.***). Presented At The International Conference On Natural Products, Malaysia March 2014.
- 2- Scientific publication award (2015) Cairo University for the scientific research titled **Enantioselective, Divergent Syntheses of Several Polyhalogenated Plocamium Monoterpenes and Evaluation of their Selectivity for Solid Tumors.** Angewandte Chem. Int. Ed. 2014, 53, 12205-12209. Impact Factor 13.734
- 3- Award from MOH Sultanate of Oman for the presentation (**Natural Compounds In Cancer Treatment & Prevention**). Presented At MOH. Muscat, Oman, January 2010.
- 4- Award from MOH Sultanate of Oman for the presentation (**Pharmaceutical biotechnology: The Future of Drug Discovery**). Presented at The Annual Conference Of Continous Education For PHARMACISTS WORKING IN PRIVATE SECTOR. Muscat, Oman, Nov. 2008.



- 5- Award from General Syndicate of pharmacists of Egypt for Master Thesis 1994.

**(d) Membership of Professional Bodies**

- Member of the Alumni, Oregon State University, USA, since July 2004.
- Member of the American Society of Pharmacognosy, USA, since July 2001.
- Member of the Egyptian Pharmaceutical Society, Egypt, since 1989.

- Member of the American Society of Pharmacognosy and Experimental Therapeutics, Egypt, since 1999.
- Member of the Egyptian General Syndicate of Pharmacists, Egypt, since 1987.

**(e) Language Proficiency**

| List of spoken/written languages | level of proficiency |
|----------------------------------|----------------------|
| Arabic                           | Mother Language      |
| English                          | Excellent            |
| French                           | Very Good            |

**3. CAREER DETAILS**

**(a) Academic Positions Held**

ASSOCIATE PROFESSOR OF PHARMACOGNOSY & NATURAL PRODUCTS CHEMISTRY PHARMACOGNOSY DEPARTMENT - COLLEGE OF PHARMACY - UNIVERSITY OF BENGHAZI - LIBYA **September 2012 - Now**

ASSISTANT PROFESSOR OF PHARMACOGNOSY & NATURAL PRODUCTS CHEMISTRY - PHARMACOGNOSY DEPARTMENT - COLLEGE OF PHARMACY - CAIRO UNIVERSITY - EGYPT **February 2004 – September 2012**

ASSISTANT LECTURER OF PHARMACOGNOSY & NATURAL PRODUCTS CHEMISTRY - PHARMACOGNOSY DEPARTMENT - COLLEGE OF PHARMACY - CAIRO UNIVERSITY - EGYPT **September 1994 – February 2004**

PH.D. GRADUATE STUDENT – COLLEGE OF PHARMACY - OREGON STATE UNIVERSITY - USA **October 1999 – February 2004**

PH.D. GRADUATE STUDENT – CHEMISTRY DEPARTMENT - SOUTH DAKOTA STATE UNIVERSITY - USA **September 1998 – October 1999**

TEACHING THE PRACTICAL COURSE FOR DIPLOMA OF COSMETICS (POSTGRADUATE) - COLLEGE OF PHARMACY - CAIRO UNIVERSITY - EGYPT **January 1991 – September 1998**

RESEARCH AND TEACHING ASSISTANT, COLLEGE OF PHARMACY - CAIRO UNIVERSITY - EGYPT **April 1989 – September 1994**

**(b) Professional/Industrial Positions Held**

1- CONSULTANT OF COMPLEMENTARY & ALTERNATIVE MEDICINE PREPARATIONS - DRUG CONTROL DEPARTMENT – MUSCAT – SULTANATE OF OMAN **July 2005 – September 2010**

**(c) Administrative Positions Held (Dates: MM/YY-MM/YY)**

Member of the Community Service and Environment Development {Faculty of Pharmacy – Cairo university} from 4/2004 to 7/2005

**4. TEACHING**

**(a) Summary of Courses Taught**

**Undergraduate Courses**

| Course Code | Course Name | Number of Times | Evaluation |
|-------------|-------------|-----------------|------------|
|-------------|-------------|-----------------|------------|

|     |                                    | Taught |           |
|-----|------------------------------------|--------|-----------|
| 201 | Botany and Medicinal Plants        | 20     | Excellent |
| 202 | Pharmacognosy I                    | 20     | Excellent |
| 203 | Pharmacognosy II                   | 20     | Excellent |
| 204 | Pharmacognosy III                  | 20     | Excellent |
| 205 | Phytochemistry I                   | 20     | Excellent |
| 206 | Phytochemistry II                  | 20     | Excellent |
| 207 | Phytotherapy                       | 20     | Excellent |
| 208 | Natural Products & Quality Control | 25     | Excellent |

### Post-graduate Courses

| Course Title  | Code No. |
|---|----------|
| Plant Cell and Tissue Culture.<br>زراعة الخلايا والأنسجة النباتية.  | 2201     |
| Isolation and Identification of Natural Products<br>الفصل والتعرف على المواد الطبيعية.                        | 2202     |
| Chromatographic Techniques.<br>التقنيات الكروماتوجرافية.  | 2203     |
| Advanced Chromatographic Methods.<br>التقنيات الكروماتوجرافية المتقدمة.                                       | 2207     |
| Biosynthesis in Medicinal Plants.<br>التصنيع الحيوى بالنباتات الطبية.   | 2205     |
| Advanced Phytochemistry.<br>كيمياء النبات المتقدم.  | 2206     |
| Spectroscopy of Natural Products (NMR, UV, MS and IR).<br>الطرق الطيفية والمواد الطبيعية.                     | 2204     |
| Application of Spectroscopy and Structure Elucidation.<br>تطبيقات الطرق الطيفية فى إستجلاء البنية الكيميائية. | 2208     |
| Seminar.<br>حلقة دراسية.  | 2209     |
| Herbal Medicine and Aromatherapy.<br>طب الأعشاب والعلاج بالزيوت الطيارة.                                      | 2210     |
| Marine Natural Products.<br>المواد الطبيعية بالكائنات البحرية.  | 2211     |
| Biotechnology and Genetic Engineering<br>التكنولوجيا الحيوية والهندسة الوراثية.                               | 2212     |

#### (b) Participation in Academic Accreditation

Accreditation of Faculty of Pharmacy Cairo University (FOPCU) Preparation of and implementation of quality assurance system in FOPCU leading to its accreditation by the National Authority for Quality Assurance and Accreditation of Education (NAQAAE) in 2011.

#### (c) Research Students Supervised/Trained

Level

Number of Trainees

Postdoctoral Fellows

NA

PhD Students 1

Master Students 1

Undergraduate Students 60 + 90

**(d) Participation in Thesis and Oral Examination Committees**

Level

Number of Examinations

Ph.D. Students NA

Master Students NA

**(e) Training**

NA

**5. RESEARCH**

**(a) Research Interests**

- 1- Quality Control of Alternative Medicine Preparations (Herbal Preparations - Homeopathic Preparations - Chinese Herbal Preparations - Ayurvedic Preparations) Using Macro-morphology, Micro-morphology, Chemical, Microbiological, Spectroscopic & Chromatographic Techniques.
- 2- Isolation and Structure Elucidation of Secondary Metabolites From Natural Sources "Terrestrial Plants And Marine Organisms" With Important BioPharmaceutical Properties Such As Anticancer, Antimicrobial, Anti-inflammatory and Antiviral Activities Using Different Advanced Chromatographic and Spectroscopic Techniques.
- 3- Detection of Herbal Medicinal Preparations Adulteration With Synthetic Chemical Substances:
  - Sildenafil, Tadalafil & Vardenafil in Aphrodisiac Herbal Preparations.
  - Alpha Blockers in Aphrodisiac Herbal Preparations.
  - NSAIDS Drugs in Anti-Rheumatic Herbal Preparations.
  - Cortisones in Anti-Rheumatic Herbal Preparations.
  - Sibutramine, Ephedrine and Fenfluramine in Slimming Herbal Preparations.
  - Statins, Amlodipine, Fenfibrate & Benzofibrate In Anti-Hypercholestermic Herbal Preparations.

- Cortisones & Cyproheptedine In Weight Gaining Herbal Preparations.
- Phenylene diamine in Henna Preparations.
- Thyroid Extract & Thyroxin in Slimming Herbal Preparations.
- Minoxidil in Herbal Hair Growth Preparation.

**(b) Publications/Citations Data**

| <u>Type of Publication</u>                  | <u>Number of Publications</u> |
|---|-------------------------------|
| Articles in International Refereed Journals | 9                             |
| Conference Papers                           | 13                            |
| Books/Book Chapters 7                       | 7                             |
| Edited Books                                | NA                            |
| Patents                                     | NA                            |
| Undergraduate Research Projects             | 23                            |

| <u>Citation Source</u> | <u>Number of Citations</u> |
|------------------------|----------------------------|
| Google scholar         | 350                        |

**(c) Research Grants**

NA

**(d) Patents**

NA

**(e) Participation in Regional & International Conferences**

THE PHARMACY RETREAT. Newport, Oregon, April 2001.

THE PHARMACY RETREAT. Corvallis, Oregon, April 2002.

THE VOLCANO CONFERENCE. Washington State, February 2003.

JOINT ANNUAL MEETING OF THE AMERICAN SOCIETY OF PHARMACOGNOSY & THE PHYTOCHEMICAL SOCIETY OF NORTH AMERICA, Washington State, February 2003.

**6. SERVICE**

**(a) Membership of Institutional, National, or International Scientific Advisory Boards**

NA

**(b) Membership of Conference Committees**

NA

**(c) Service as Reviewer**

Journals

NA

Conferences

THE PHARMACY RETREAT. Newport, Oregon, April 2001.

THE PHARMACY RETREAT. Corvallis, Oregon, April 2002.

THE VOLCANO CONFERENCE. Washington State, February 2003.

2001 JOINT ANNUAL MEETING OF THE AMERICAN SOCIETY OF PHARMACOGNOSY & THE PHYTOCHEMICAL SOCIETY OF NORTH AMERICA, Washington State, February 2003.

**(d) Membership of Journal Editorial Boards**

NA

**(e) Invited Presentations at Scientific Meetings/Workshops**

**Chemical and Microbial Transformations of Vinca Alkaloids: Toward New Generations with Higher Pharmacological Effects and Lower Side Effects.** Presented At MOH. Muscat, Oman, January 2006.

**Herbal Medicine.** Presented At The Annual Conference Of Continuous Education For PHARMACISTS WORKING IN PRIVATE SECTOR. Muscat, Oman, Nov. 2006.

**Aromatherapy.** Presented At MOH. Muscat, Oman, June 2007.

**Herbal-Drug Interactions.** Presented At MOH. Muscat, Oman, March 2008.

**Molecular Biology: The Future of Drug Discovery.** Presented At The Annual Conference Of Continuous Education For PHARMACISTS WORKING IN PRIVATE SECTOR. Muscat, Oman, Nov. 2008.

**Herbal Treatment of Hepatitis C.** Presented At The Annual Conference Of Continuous Education For PHARMACISTS WORKING IN PRIVATE SECTOR. MOH. Muscat, Oman, March 2009.

**Natural Compounds In Cancer Treatment & Prevention.** Presented At The Annual Conference Of Continuous Education For PHARMACISTS WORKING IN PRIVATE SECTOR. MOH. Muscat, Oman, January 2010.

**(f) University Service**

Member of the Committee responsible for preparing the national academic reference standards (NARS) for pharmacy education, National Authority for Quality Assurance and Accreditation of Education (NAQAEE), Presidency of Council of Ministers, Libya

**(g) Service to Profession/Industry**

CONSULTANT OF COMPLEMENTARY & ALTERNATIVE MEDICINE PREPARATIONS - DRUG CONTROL DEPARTMENT - MUSCAT - SULTANATE OF OMAN July 2005 - September 2010

## (h) Public Service

Participation in programs of "Continuing Pharmacy Education" organized by the General Syndicate of Egyptian Pharmacists since 2004

## 7. LIST OF PUBLICATIONS (in chronological order, starting with most recent)

### (a) International Refereed Journals (Published or Accepted only!)

1- VOGEL, C. V.; PIETRASZKIEWICZ, H.; OMAR, M. SABRY; GERWICK, W. H.; VALERIOTE, F. A.; VANDERWAL, C. D. *Enantioselective, Divergent Syntheses of Several Polyhalogenated Plocamium Monoterpenes and Evaluation of their Selectivity for Solid Tumors*. *Angewandte Chem. Int. Ed.* 2014, 53, 12205–12209. **Impact Factor 13.734**

2- OMAR M. M. SABRY. *Beneficial Health Effects of Olive Leaves Extracts*. *Journal of Natural Sciences Research* 2014, 4(19), 1-9

3- ABEER M. EL-SAYED, SHAHIRA M. EZZAT AND O. M. SABRY. *Bioactive Natural Compounds From Acokanthera sp.* Presented At The International Conference On Natural Products, Malaysia March 2014. **{Award of the best Poster Presentation}**

4- MUSTAFA M. ELFAKHRI, SALMA A. BUKHATWA, OMAR M. SABRY, REYHAN MONIR, YASSER KANDIL. *A proposal for National Academic Reference Standards (NARS) for pharmacy education programs in Libya*. The National Council for Higher Education's of Libya (NCHE) Conference. February 2014.

5- O. M. M. SABRY, SIMEON ANDREWS, KERRY L. MCPHAIL, DOUGLAS E. GOEGER, ALEXANDRE YOKOCHI, KEITH T. LEPAGE, THOMAS F. MURRAY AND WILLIAM H. GERWICK. *Neurotoxic Meroditerpenoids From The Tropical Marine Brown Alga Styxopodium flabelliforme*. *J. Nat. Prod.*, 68 (7), 1022 -1030, 2005.

7- WILLIAM H. GERWICK, O. SABRY, ERIC A., BING N. HAN, KERRY L. MCPHAIL AND DOUGLAS E. GOEGER. *Toxic Metabolites of Blue-Green Algae; Menace or Medicine*. *Epidemiology* 14 (5), September 2003. **Impact Factor 6.7**

8- SABRY, O. M. M.; AZZAM, S. M. AND HIFNAWY, M. S. *Essential Oils, Pectins, Tannins And Lipids of Certain Citrus Species Growing In Egypt*. *Bulletin of the Faculty of Pharmacy (Cairo University)* (2004), 42 (2) , 177 - 192.

9- SABRY, O. M. M.; AZZAM, S. M. AND HIFNAWY, M. S. *Diphenylamine, a hypoglycemic agent from Citrus fruits*. *Bulletin of the Faculty of Pharmacy (Cairo University)* (2001), 39(2), 93- 97.

10- SABRY, O. M. M.; AZZAM, S. M. AND HIFNAWY, M. S. *Chemistry of Certain Citrus Species Growing In Egypt (Nutritive value of certain Citrus juices)*. *Bulletin of the Faculty of Pharmacy (Cairo University)* (2001), 39(2), 83-91.

11- O. M. M. SABRY AND W. H. GERWICK. *Curcupoxydes and hydroxyl curcudiol, new phenolic sesquiterpene compounds from the green alga Udotea orientalis*. Submitted

12- O. M. M. SABRY AND W. H. GERWICK. *Biologically active halogenated monoterpenes from the red alga Plocamium cartilagineum*. Submitted

13- O. M. M. SABRY AND W. H. GERWICK. *New biologically active Malyngamide and Cyclic Dipeptide from Lyngbya majuscula*. Submitted



## **(b) Conference Papers**

**ABEER M. EL-SAYED, SHAHIRA M. EZZAT AND O. M. SABRY.** Bioactive Natural Compounds From *Acokanthera sp.* Presented At The International Conference On Natural Products, Malaysia March 2014. **{Award of the best Poster Presentation}**

**O. M. M. SABRY AND W. H. GERWICK.** (+)-Curcophenol, An Anti-Leukemic And Anti-Fungal Sesquiterpene Phenol From The Green Alga *Udotea Sp.* Presented At THE PHARMACY RETREAT. Newport, Oregon, April 2001.

**O. M. M. SABRY AND W. H. GERWICK.** Biologically-Active Halogenated Monoterpenes From The Red Alga *Plocamium sp.* Presented At THE PHARMACY RETREAT. Corvallis, Oregon, April 2002.

**O. M. SABRY, S. ANDREWS, K. MCPHAIL, DOUGLAS GOEGER, ALEXANDRE YOKOCHI AND W. H. GERWICK.** Five New Cytotoxic Compounds From The Brown Alga *Styopodium sp.* Presented At THE VOLCANO CONFERENCE. Washington State, February 2003.

**O. M. M. SABRY.** Phytochemical Studies On Certain Citrus Species Growing In Egypt. Presented In College of Pharmacy, Cairo University, Egypt, September 1994.

**O. M. SABRY, S. ANDREWS, K. MCPHAIL, DOUGLAS GOEGER, ALEXANDRE YOKOCHI AND W. H. GERWICK.** Five New Cytotoxic Compounds From The Brown Alga *Styopodium sp.* Presented At THE PHARMACY RETREAT. New port, Oregon, April 2003.

**O. M. SABRY.** Chemical and Microbial Transformations of Vinca Alkaloids: Toward New Generations with Higher Pharmacological Effects and Lower Side Effects. Presented At MOH. Muscat, Oman, January 2006.

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**O. M. SABRY.** Aromatherapy. Presented At MOH. Muscat, Oman, June 2007.

**O. M. SABRY.** Herbal-Drug Interactions. Presented At MOH. Muscat, Oman, March 2008.

**O. M. SABRY.** Molecular Biology: The Future of Drug Discovery. Presented At The Annual Conference Of Continous Education For PHARMACISTS WORKING IN PRIVATE SECTOR. Muscat, Oman, Nov. 2008.

**O. M. SABRY.** Herbal Treatment of Hepatitis C. Presented at MOH. Muscat, Oman, March 2009.

**O. M. SABRY.** Natural Compounds In Cancer Treatment & Prevention. Presented At MOH. Muscat, Oman, January 2010.

## **(c) Books/Book Chapters**

1- Staff members (Pharmacognosy Department – Faculty of Pharmacy – Cairo University – Egypt)

**Botany and Medicinal Plants (2009)**

2- Staff members - Pharmacognosy Department – Faculty of Pharmacy – Cairo University – Egypt

**Pharmacognosy II (2005)**

3- Staff members - Pharmacognosy Department – Faculty of Pharmacy – Cairo University – Egypt

**Phytochemistry I (2011)**

- 4- Staff members - Pharmacognosy Department – Faculty of Pharmacy – Cairo University – Egypt  
**Phytochemistry II (2011)**
- 5- Staff members - Pharmacognosy Department – Faculty of Pharmacy – Cairo University – Egypt  
**Phytotherapy (2009)**
- 5- Staff members - Pharmacognosy Department – Faculty of Pharmacy – Cairo University – Egypt  
**Quality Control of Herbal Medicine (2010)**
- 6- Staff members - Pharmacognosy Department – Faculty of Pharmacy – Cairo University – Egypt  
**Text Book of Applied Pharmacognosy (2004)**
- 7- Staff members (Pharmacognosy Department – Faculty of Pharmacy – Cairo University – Egypt  
**Pharmacognosy I (2004)**

#### **(d) Other Publications**

- 1- WILLIAM H. GERWICK, O. SABRY, ERIC A., BING N. HAN, KERRY L. MCPHAIL AND DOUGLAS E. GOEGER. Toxic Metabolites of Blue-Green Algae; Menace or Medicine. *Epidemiology* 14 (5), September 2003.

### **8. REFERENCES**

#### **1- Professor Dr. William H. Gerwick**

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University of California at San Diego  
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Fax: 858-534-0529  
Email: [wgerwick@ucsd.edu](mailto:wgerwick@ucsd.edu)

#### **2. Professor Dr. Hisham Ibrahiem El askary**

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**5. Dr. Iman Saad Ahmed**

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