

# CURRICULUM VITAE

## ROKIA M. ABDALLAH

### PERSONAL DATA

Current Title	Professor, Faculty of Pharmacy, University of Alexandria, Alexandria 21521, Egypt
Date of Birth	February 6, 1951
Place of Birth	Port-Said, Egypt
Citizenship	Egyptian
Sex	Female
Marital Status	widow, has two sons

### EDUCATION

University of Alexandria, Alexandria, Egypt:

- B.S. in Pharmaceutical Sciences, 1969-1974
- M.S. in Pharmaceutical Sciences, 1974-1979  
Thesis title: "*Phytochemical Study of Some Plants Belonging to Family Compositae Growing in Egypt*"

Washington State University, Pullman, Washington, USA:

- Ph.D. in Pharmaceutical Sciences, 1980-1985  
Thesis title: "*Nutritional and Other Factors Affecting Natural Killer Cell Activity and Tumor Metastasis*"

## **SPECIALIZED TRAINING**

- Washington State University Radiation Safety Training Course, April, 1984
- Beckman Liquid Chromatography Training School, March, 1982

## **LICENSURE**

Pharmacist : Egypt, 1974-Present

## **PROFESSIONAL EXPERIENCE**

- 2006- Present: Professor, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt
- 2001- 2006 : Assistant Professor, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt
- 1998- 2001 : Research Scientist, Gulf Pharmaceutical Industries (Julphar), RAK, UAE
- 1993- 1998 : Assistant Professor, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt
- 1987-1993 : Lecturer, Faculty of Pharmacy, University of Alexandria, Alexandria, Egypt
- 1985-1987 : Postdoctoral Fellowship, College of Pharmacy, University of Arizona, Tucson, AZ
- 1980-1985 : Graduate Research Assistant, College of Pharmacy, Washington State University, Pullman, WA
- Summer 1983 : Graduate Research Assistant, Department of Veterinary Microbiology and Pathology, Washington State University, Pullman, WA
- 1982-1983 : Graduate Teaching Assistant, College of Pharmacy, Washington State University, Pullman, WA

1974-1979 : Teaching Assistant, Faculty of Pharmacy,  
University of Alexandria, Alexandria, Egypt

## **HONORS**

- Ministry of Higher Education Distinguished Scholarship, 1970-1974
- Washington State University Graduate Student Summer Stipend Award, 1984
- University of Alexandria Research Award for 1993 Academic Year

## **SOCIETY MEMBERSHIP**

- Egyptian General Syndicate of Pharmacists
- Rho Chi Pharmacy Honor Society

## **EXPERIENCE AND RESEARCH INTEREST**

I have practical experience in extraction, isolation, and identification of natural products of plant origin. I have experience in HPLC methods development and I worked as a principal investigator for a Bioequivalence Studies Division in Gulf Pharmaceutical Industries, (Julphar), RAK, UAE. Also, I have practical experience in isolation and assay of animal natural killer cells and peritoneal macrophages, and preparation, isolation, and selection of monoclonal antibodies. I have involved in research dealing with the spontaneous metastases of murine tumors, and the effect of nutrition and chemotherapy on treatment of primary and metastatic melanoma.

## **PRESENTATION AND MEETING ABSTRACT**

1. Meadows, G.G., Pierson, H.F. and Abdallah, R.M. : Ascorbic acid and treatment of experimental transplanted melanoma, *Nutrition and Cancer* 15,(3&4), 270, 1991. National Cancer Institute and National Institute of Diabetes and Digestive and Kidney Diseases Mtg. September 10-12, 1990, Bethesda, Maryland

2. Meadows, G.G., and Abdallah, R.M. : Modulation of spontaneous melanoma metastasis by supplemental sodium ascorbate and by dietary tyrosine and phenylalanine. Federation of American Societies of Experimental Biology (FASEB); 70<sup>th</sup> annual Mtg., St. Louis, Missouri, April, 1986
3. Meadows, G.G., Abdallah, R.M., and Starkey, J.R. : Poly I:C induction of NK cell activity in mice on an immunosuppressive anticancer therapy. International Symposium on “Natural immunity and biological response modification for the therapy of cancer and other diseases”. Honolulu, Hawaii, November, 1985
4. Meadows, G.G., Abdallah, R.M., and Starkey, J.R. : Vitamin C, dietary restriction of phenylalanine and tyrosine, and levodopa methyl ester chemotherapy against melanoma metastasis. Second International Conference on the Modulation and Mediation of Cancer by Vitamins. February, 1985
5. Starkey, J.R., and Abdallah, R.M. : Monoclonal antibodies to vascular endothelial cell surface components which interfere with hematogenous metastasis. UCLA Symposium on monoclonal antibodies and cancer therapy, 1985
6. Abdallah, R. M., Meadows, G.G., and Starkey, J.R. : Dietary modulation of B<sub>16</sub>-BL<sub>6</sub> melanoma metastasis and natural killer cell activity. Fifth Annual West Coast Conference in Pharmaceutical Sciences; Pullman, WA, 1984
7. Meadows, G.G., Abdallah, R.M., and Starkey, J.R. : Dietary modulation of B<sub>16</sub>-BL<sub>6</sub> melanoma metastasis. *Proc. Amer. Assoc. Cancer Res.* 25, 64, 1984
8. Meadows, G.G., Abdallah, R.M., and Starkey, J.R. : Effect of ascorbate, levodopa methyl ester and dietary restriction of tyrosine and phenylalanine on growth of murine melanoma. Annual Mtg. Amer. Pharm. Assoc., Montreal, Quebec, Canada, 1984

9. Starkey, J.R., Stanford, D.R., Hosick, H.L, Magnuson, J.A., and Abdallah, R.M. : Modulation of the interaction of tumor cells with vascular endothelium. Proc. 20<sup>th</sup> Natl. Reticuloendothelial Society Mtg., Portland, Oregon, 1983
10. Abdallah, R.M., Starkey, J.R., and Meadows, G.G. : Alcohol and related dietary effects on mouse natural killer cell activity. Fourth Annual West Coast Conference in Pharmaceutical Sciences, Vancouver, British Columbia, Canada, 1983
11. Meadows, G.G., and Abdallah, R.M. : Antimetastatic activity of combined ascorbate and levodopa methyl ester-benserazide against B<sub>16</sub>-BL<sub>6</sub> melanoma. Symposium on Vitamins, Nutrition, and Cancer, University of Colorado, Health Science Center, Denver, Colorado, 1983

## **PUBLICATIONS**

1. Khafagy, S.M., Abdel Salam, N.A., and Abdallah, R.M. : Constituents of *Silybium Marianum* (L.) Gaetrn. (Compositae) *Pharm Sci.* 49, 157, 1981
2. Abdel Salam, N.A., Mahmoud, Z.F., Abdallah, R.M., and Khafagy, S.M. : The flavonoid, steroid and triterpenoid constituents of *Carduus getulus* Pomel (Compositae) *Egypt. J. Pharm. Sci.* 23, 199, 1982
3. Meadows, G.G., Pierson, H.F., Abdallah, R.M., and Desai, P.R. : Dietary influence of tyrosine and phenylalanine on the response of B<sub>16</sub> melanoma to carbidopa-levodopa methyl ester chemotherapy. *Cancer Research* 42, 3056, 1982
4. Abdallah, R.M., Starkey, J.R., and Meadows, G.G. : Alcohol and related dietary effects on mouse natural killer-cell activity. *Immunol.* 50, 131, 1983
5. Meadows, G.G., Abdallah, R.M., and Starkey, J.R. : Interaction between specific dietary factors and experimental chemotherapy of metastatic melanoma. *Cancer Chemotherapy Pharmacol.* 16, 229, 1986

6. Abdallah, R.M., Starkey, J.R., and Meadows, G.G. : Dietary restriction of tyrosine and phenylalanine: inhibition of metastasis of three rodent tumors. *JNCI*. 78, 759, 1987
7. Abdallah, R.M., Starkey, J.R., and Meadows, G.G. : Toxicity of chronic high alcohol intake on mouse natural killer cell activity. *Research Comm. Chem. Pathol. Pharmacol.* 59, 245, 1988
8. Meadows, G.G., Abdallah, R.M., Starkey, J.R., and Aslakson, C.J.: Response of natural killer cells from dietary tyrosine and phenylalanine-restricted mice to biological response modifiers. *Cancer Immunol. Immunother.* 26, 67, 1988
9. Amer, M.E., Abdallah, R.M., Jakupovic, J., and Abdel Salam, N.A. Two sesquiterpene fucopyranosides from *Carthamus mareoticus*. *Phytochemistry* 28, 1263, 1989
10. Abdallah, R.M., Harraz, F.M., and El-Sebakhy, N.A. : *Astragalus trigonus*: Cytotoxicity screening of its cycloartane diglucoside and macro- and micromorphology of the leaf, stem and root. *Alex. J. Pharm. Sci.* 4, 192, 1990
11. Elstad, C.A., Meadows, G.G., and Abdallah, R.M. : Specificity of the suppression of metastatic phenotype by tyrosine and phenylalanine restrictions. *Clinical and Experimental Metastasis* 8, 393, 1990
12. El-Sebakhy, N.A., Harraz, F.M., Abdallah, R.M., Assad, A.M., Orsini, F., Pelizzoni, F., Sello, G., and Verotta, L. : Cycloartane triterpene glycosides from Egyptian *Astragalus* species. *Phytochemistry* 29, 3271, 1990
13. Meadows, G.G., Pierson, H.F., and Abdallah, R.M. : Ascorbate in the treatment of experimental transplanted melanoma. *Am. J. Clin. Nutr.* 54, 1284S, 1991
14. Kassem, F.F., and Abdallah, R.M. : Inhibition of protein tyrosine kinase activity by flavonoids of *Ononis sicula* Guss. *Alex.J. Pharm. Sci.* 6, 283, 1992

15. Abdallah, R.M. : Macro- and micromorphology of the root, stem, and leaf of *Ononis sicula* Guss. *Alex. J. Pharm. Sci.* 7, 61, 1993
16. Abdallah, R.M., Ghazy, N.M., El-Sebakhy, N.A., Pirillo, A., and Verotta, L. : Astragalosides from Egyptian *Astragalus spinosus* Vahl. *Pharmazie* 48, 452, 1993
17. Abdallah, R.M., El-Walily, A.M., and Zamel, S. : Liquid chromatographic determination of rutin and ascorbic acid-binary mixture in pharmaceutical preparations. *J. Liquid chromatography* 16, 4107, 1993
18. Ghazy, N.M., Abdallah, R.M., Kassem, F.F., and El-Sebakhy, N.A. Macro- and micromorphological study of flower, fruit, and seed of *Astragalus trigonus* DC. *Egypt J. Pharm. Sci.* 34 (4-6), 767, 1993
19. Abdallah, R.M., El-Walily, A.M., and Haoam, Y. : UV-Derivative spectrophotometry in analysis of drug products containing rutin and ascorbic acid mixture. *Bull. Fac. Pharm. Cairo Univ.* 31, 259, 1993
20. Orsini, F., Verotta, L., Barboni, L., El-Sebakhy, N.A., Assad, A.M., Abdallah, R.M., and Toaima, S.M. : Cycloartane triterpene glycosides from *Astragalus alexandrinus*. *Phytochemistry* 35, 745, 1994
21. Abdallah, R.M., Ghazy, N.M., Assad, A.M., El-Sebakhy, N.A., Pirillo, A., and Verotta, L. : Constituents of the *Astragalus tomentosus* Lam. *Pharmazie* 49, 377, 1994
22. El-Sebakhy, N.A., Assad, A.M., Abdallah, R.M., Toaima, S.A., Abdel-Kader, M.S., and Stermitz, F.R. : Antimicrobial isoflavans from *Astragalus* species. *Phytochemistry* 36, 1387, 1994
23. Gariboldi, P., Pelizzoni, F., Tato, M., Verotta, L., El-Sebakhy, N.A., Assad, A.M., Abdallah, R.M., and Toaima, S.M. : Cycloartane triterpene glycosides from *Astragalus trigonus* DC. *Phytochemistry* 40(6), 1755, 1995

24. Pelizzoni, F., Verotta, L., Nicastro, G., Tato, M., El-Sebakhy, N.A., Assad, A.M., Abdallah, R.M., and Toaima, S.M. : A minor cycloartan- 3 $\beta$ , 16 $\beta$ -diglucoside from *Astragalus trigonus* DC. *Gazzetta Chimica Italiano* 126, 657, 1996
25. El-Sebakhy, N.A., Assad, A.M., Abdallah, R.M., Toaima, S.A., Verotta, L., and Orsini, F. : Constituents of Egyptian *Astragalus tribuloides* Del. *Natural Product Sciences* 6 (1), 11, 2000
26. Abdallah, R.M., Alam, S.M., Awaad, F.W., Dham, R., El-Kersh, A., El-Laithy, A., Shalby, M.H., Shihabeddin, M., El-Walily, A.F., Yacout, M., and Zaman, Q. : Bioequivalence of Two Brands of Ciprofloxacin 750 mg Tablets (Sarf<sup>®</sup> and Ciprobay<sup>®</sup>) in Healthy Human Volunteers. *Drug Development and Industrial Pharmacy* 28 (4), 423, 2002
27. Abdel-Kader, M., Kassem, F.F., Abdallah, R.M. : Two Alkaloids from *Ephedra aphylla* growing in Egypt. *Natural Product Sciences* 9 (2), 52, 2003
28. Abdallah, R.M.: Analysis of Binary Mixture of Melatonin and Pyridine Hydrochloride by Using Diode-Array Ultraviolet Spectroscopy Conventional and Microbore High-Performance Liquid Chromatography. *Bull. Fac. Pharm. Cairo Univ.* 41 (3), 311, 2003
29. Abdallah, R. M.: Caffeic Acid Esters, Coumarins and Sterols from the roots of *Noaea mucronata* growing in Egypt. *Alex. J. Pharm. Sci.* 20 (1), 41, 2006
30. Abdallah, R. M. : HPLC Chromatographic Methods for Determination of Pholcodine and Ephedrine HCl with Other Ingredients in Anti-tussive – Antihistamine Oral Liquid Formulations. *Natural Product Sciences.* 12(1), 55, 2006