**Curriculum vitae**

**Fatma Mohamed abdel Bar**

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| **Surname** | Abdel Bar |
| **Other names** | Fatma Mohamed Abdel Rahman |
| **Title** | PhD |
| **Gender** | Female |
| **Address** | Department of Pharmacognosy, Faculty of Pharmacy, Mansoura University, Egypt |
| **Telephone Numbers** | 002-0502341278002-01007536700 |
| **Email** | fatma\_maar@yahoo.comfatma\_m6@mans.edu.eg |
| **Date of birth** | 17 | 11 | 1973 | Place of birth | Ezbet El-Borg, Damietta |

**PERSONAL INFORMATION:**

**EDUCATION**

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| **College / University** | **Degree obtained** | **Dates** |
| Faculty of Pharmacy, Mansoura University | PhD | 2010 |
| Faculty of Pharmacy, Mansoura University | M.Sc. | 2003 |
| Faculty of Pharmacy, Mansoura University | B.Sc. | May 1996 |

**TRAINING**

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| **Training attended / technical skills acquired** | **place** | **Dates** |
| Spectroscopy including NMR, MS and IR analysis | Faculty of Pharmacy, Mansoura University and University of Louisiana at Monroe, USA | * 1998-till present
* June 2007- June 2009
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| Natural products’ isolation | Faculty of Pharmacy, Mansoura UniversityUniversity of Louisiana at Monroe, USA | * 1998-till present
* June 2007- June 2009
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| Molecular modeling | University of Louisiana at Monroe, USA | * June 2007- June 2009
 |
| Mammalian cell cultures | University of Louisiana at Monroe, USA | * June 2007- till present
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**EMPLOYMENT HISTORY**

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| **Employer**  | **Position**  | **Dates**  |
| Pharmacognosy Department- Faculty of Pharmacy- Mansoura University | Assistant professor | 28/7/2015 |
| Pharmacognosy Department- Faculty of Pharmacy- Mansoura University | Lecturer | 2/3/2010 |
| Pharmacognosy Department- Faculty of Pharmacy- Mansoura University | Assistant lecturer | 3/9/2003 |
| Pharmacognosy Department- Faculty of Pharmacy- Mansoura University | Demonstrator |  2/11/1997 |

**FIELDS OF INTEREST**

* Natural products’ extraction and isolation using various chromatographic techniques.
* Spectroscopy (Spectral Interpretations) including UV, IR, NMR and MS.
* Natural product chemistry.
* Computer-assisted drug design (CADD).
* Lecturer of pharmaconosy and phytochemistry.
* Mammalian cell cultures.

**PUBLICATIONS:**

1. New chalcanonol glycoside from the seeds of saw palmetto; antiproliferative and antioxidant effects, Fatma M. Abdel Bar, Nat Prod Res. 2014 Sep 18:1-7. [ahead of print], September 2014
2. Gingerol derivatives: emerging new therapy against human drug resistant MCF7, Ahmed S. Ibrahim, Mohamed M Sobh, Hosam Mohammed, Amged Salem, Hosam Hamza Mai H El-naggar, Fatma M. Abdel Bar, Hussein Sheashaa, Mohamed A. Sobh, and Farid A Badria, October 2014, Volume 35, Issue 10, pp 99419948-Tumor Biology, July-09-2014
3. A New Antioxidant Stilbene and Other Constituents from the Stem Bark of *Morus nigra* L., Ghada M. Abbas, Fatma M. Abdel Bar, Hany N. Baraka, Ahmed A. Gohar and Mohammed-Farid Lahloub, Natural Product Research, 2014, Vol. 28, No. 13, 952–959, 2014
4. Rational design and synthesis of topoisomerase I and II inhibitors based on oleanolic acid moiety for new anti-cancer drugs, Ahmed Ashour, Saleh El-Sharkawy, Mohamed Amer, Fatma Abdel Bar, Yoshinori Katakura , Tomofumi Miyamoto, Nozomi Toyota, Tran Hai Bang, Ryuichiro Kondo, Kuniyoshi Shimizu, Ahmed Ashour, Saleh El-Sharkawy, Mohamed Amer, Fatma Abdel Bar, Yoshinori Katakura , Tomofumi Miyamoto, Nozomi Toyota, Tran Hai Bang, Ryuichiro Kondo, Kuniyoshi Shimizu, Bioorganic & Medicinal Chemistry, 2014
5. New gingerol derivative and other related compounds from *Zingiber officinale*, Farid A. Badria, Mai H. El-Naggar, Fatma M. Abdel Bar, Mohamed M. Amer, Journal of Drug Discovery and Therapeutics 2 (13) 2014, 53-59, 2014
6. Melanin Biosynthesis Inhibitory Activity of Compounds Isolated from Unused Parts of *Ammi visinaga*, Ahmed Ashour, Saleh El-Sharkawy, Mohamed Amer, Fatma Abdel Bar, Ryuichiro Kondo, Kuniyoshi Shimizu, Journal of Cosmetics, Dermatological Sciences and Applications, 2013
7. Biotransformation of Khellin to Khellol by *Aspergillus Niger* and the Evaluation of their Biological Activities, Ahmed Ashour, Saleh El-Sharkawy, Mohamed Amer, Fatma Abdel Bar, Amira Mera, Toshiro Nagata, Ryuichiro Kondo and Kuniyoshi Shimizu, The Open Bioactive Compounds Journal, 2013, 4, 1-3, 2013
8. Phytochemical investigation of unused parts of *Hibiscus sabdariffa*, Mohamed M. Amer, Saleh H. El-Sharkawy, Fatma M. Abdel Bar and Ahmed A. Ashour, The Journal of American Science , 2012
9. Effects of Chemically Characterized Fractions from Aerial Parts of Echinacea purpurea and E. angustifolia on Myelopoiesis in Rats, [Ramasahayam S](http://www.ncbi.nlm.nih.gov/pubmed/?term=Ramasahayam%20S%5BAuthor%5D&cauthor=true&cauthor_uid=21870322)1, [Baraka HN](http://www.ncbi.nlm.nih.gov/pubmed/?term=Baraka%20HN%5BAuthor%5D&cauthor=true&cauthor_uid=21870322), [Abdel Bar FM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Abdel%20Bar%20FM%5BAuthor%5D&cauthor=true&cauthor_uid=21870322), [Abuasal BS](http://www.ncbi.nlm.nih.gov/pubmed/?term=Abuasal%20BS%5BAuthor%5D&cauthor=true&cauthor_uid=21870322), [Widrlechner MP](http://www.ncbi.nlm.nih.gov/pubmed/?term=Widrlechner%20MP%5BAuthor%5D&cauthor=true&cauthor_uid=21870322), [Sayed KA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Sayed%20KA%5BAuthor%5D&cauthor=true&cauthor_uid=21870322), [Meyer SA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Meyer%20SA%5BAuthor%5D&cauthor=true&cauthor_uid=21870322). [Planta Med.](http://www.ncbi.nlm.nih.gov/pubmed/21870322) 2011 Nov;77(17):1883-9.
10. Fatma M Abdel Bar, Mohammad A Khanfar, Ahmed Y Elnagar, Farid A Badria, Ahmed M Zaghloul, Kadria F Ahmad, Paul W Sylvester, Khalid A El Sayed. Design and pharmacophore modeling of biaryl methyl eugenol analogs as breast cancer invasion inhibitors. Bioorganic & Medicinal Chemistry 18 (2010) 496–507.
11. Abdel Bar FM, Khanfar MA, Elnagar AY, [Liu H](http://www.ncbi.nlm.nih.gov/pubmed/?term=Liu%20H%5BAuthor%5D&cauthor=true&cauthor_uid=19691293), [Zaghloul AM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Zaghloul%20AM%5BAuthor%5D&cauthor=true&cauthor_uid=19691293), [Badria FA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Badria%20FA%5BAuthor%5D&cauthor=true&cauthor_uid=19691293), [Sylvester PW](http://www.ncbi.nlm.nih.gov/pubmed/?term=Sylvester%20PW%5BAuthor%5D&cauthor=true&cauthor_uid=19691293), Ahmad KF, Raisch KP, El Sayed KA. Rational design and semisynthesis of betulinic acid analogues as potent topoisomerase inhibitors. [J Nat Prod.](http://www.ncbi.nlm.nih.gov/pubmed/19691293) 2009 Sep;72(9):1643-50.
12. Antiproliferative triterpenes from *Melaleuca ericifolia*. [Abdel Bar FM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Abdel%20Bar%20FM%5BAuthor%5D&cauthor=true&cauthor_uid=18826277), [Zaghloul AM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Zaghloul%20AM%5BAuthor%5D&cauthor=true&cauthor_uid=18826277), [Bachawal SV](http://www.ncbi.nlm.nih.gov/pubmed/?term=Bachawal%20SV%5BAuthor%5D&cauthor=true&cauthor_uid=18826277), [Sylvester PW](http://www.ncbi.nlm.nih.gov/pubmed/?term=Sylvester%20PW%5BAuthor%5D&cauthor=true&cauthor_uid=18826277), [Ahmad KF](http://www.ncbi.nlm.nih.gov/pubmed/?term=Ahmad%20KF%5BAuthor%5D&cauthor=true&cauthor_uid=18826277), [El Sayed KA](http://www.ncbi.nlm.nih.gov/pubmed/?term=El%20Sayed%20KA%5BAuthor%5D&cauthor=true&cauthor_uid=18826277). [J Nat Prod.](http://www.ncbi.nlm.nih.gov/pubmed/18826277) 2008 Oct;71(10):1787-90.
13. Taxodione, a DNA-binding compound from *Taxodium distichum* L. (Rich.). [Zaghloul AM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Zaghloul%20AM%5BAuthor%5D&cauthor=true&cauthor_uid=18669020), [Gohar AA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Gohar%20AA%5BAuthor%5D&cauthor=true&cauthor_uid=18669020), [Naiem ZA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Naiem%20ZA%5BAuthor%5D&cauthor=true&cauthor_uid=18669020), [Abdel Bar FM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Abdel%20Bar%20FM%5BAuthor%5D&cauthor=true&cauthor_uid=18669020). [Z Naturforsch C.](http://www.ncbi.nlm.nih.gov/pubmed/18669020) 2008 May-Jun; 63(5-6):355-60.
14. MACRO- AND MICROMORPHOLOGY OF THE LEAF, STEM AND STEM BARK OF TAXODIUM DJSTICHVM (L.) RICH. [Zaghloul AM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Zaghloul%20AM%5BAuthor%5D&cauthor=true&cauthor_uid=18669020), [Gohar AA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Gohar%20AA%5BAuthor%5D&cauthor=true&cauthor_uid=18669020), [Naiem ZA](http://www.ncbi.nlm.nih.gov/pubmed/?term=Naiem%20ZA%5BAuthor%5D&cauthor=true&cauthor_uid=18669020), [Abdel Bar FM](http://www.ncbi.nlm.nih.gov/pubmed/?term=Abdel%20Bar%20FM%5BAuthor%5D&cauthor=true&cauthor_uid=18669020). Man. J. of Pharm. Sci., 181 (21), 28-40, 1/6/2002.

**PRESENTATIONS**

1. Annual MALTO Medicinal chemistry- Pharmacognosy meeting (Arkansas, USA) 2008: “Antiproliferative Triterpenes from *Melaleuca ericifolia*”
2. The ULM Student Research Symposium 2008 (University of Louisiana at Monroe, USA), 8th Annual Student Research Symposium: “Antiproliferative Triterpenes from *Melaleuca ericifolia*”
3. The ULM Student Research Symposium 2009 (University of Louisiana at Monroe, USA), 9th Annual Student Research Symposium:Rational “Design and Semisynthesis of Novel Betulinic Acid Analogues as Potent Topoisomerase I Inhibitors”
4. Faculty of Pharmacy, Mansoura University, student symposium 2009: “Virtual Screening: A New Approach in Drug Discovery”

**Literature**

* PhD degree: “**Study of *Melaleuca ericifolia* family Myrtaceae**”
* Master’s degree: “**Pharmacognostical study on *Taxodium disticum* (Rich.) family Toxodiaceae**”

**Scientific missions**

* Joint supervision, University of Louisiana at Monroe, USA 2007-2009.

**Awards:**

* Best PhD thesis from Mansoura University- Egypt 2012.