

CURRICULUM VITAE



• Personal Data:

Name **Samia Galal Ahmed Abdelmoty**

Sex **Female**

Date of Birth: **15/10/1959**

Nationality **Egyptian**

Family status: **Married with three kids**

E-mail and Tel.: Abdelmoty99@yahoo.com

002-088-2411293 (work), 002-088-2057234 (home)

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Academic affiliation: **Professor of Pharmaceutical Organic chemistry Department Faculty of Pharmacy, Assiut University, Egypt.**

Education:

1974-1977 Secondary School (*excellent*)

1977-1982 Student at the Faculty of Pharmacy, Assiut University, Egypt

7/ 1982 B.Sc. in Pharmaceutical Sciences, Faculty of Pharmacy, Assiut University, Egypt (*Excellent with degree of honour*)

03/1983 Starting of M.Sc. study, Faculty of Pharmacy, Assiut University, Egypt

21/ 5/ 1991 Master Degree (M.Sc.) in the Pharmaceutical Organic Chemistry, “Synthesis and Structural Assignment of Certain Pyrimido[1,2-a]-Benzimidazole Derivatives”
Supervisors: Abd-El Hamid N. Ahmed, Nabil M. Omar & Mahmoud A. El-Gendy

5/1991-11/1995

Ph.D.: In Pharmaceutical Organic Chemistry, (according to Channel system in Chiba University, Japan.) Faculty of Pharmacy, Assiut University, Assiut. Egypt.

“Structure and synthesis of a new chiral, β -carboline found in cultured cell clumps of rauwolfia serpentina & rhazya stricta” and “Synthesis of cytotoxic 1-polyhydroxyalkyl- β -carboline derivatives”

Supervisors: Shin-ichiro Sakai, N Aimi, H Takayama, M Kitajima, A El-Shorbagi, AN Ahmed, and NM Omar.

Address: Pharm. Organic Chem Dept, Faculty of Pharmacy, Assiut University, Assiut, EGYPT.

EMPLOYMENTS:

Demonstrator in Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Assiut University, 12 /12/ 1982 - 21/ 5/ 1991.

Associate lecturer in Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Assiut University, 21/5/1991-06/11/1995.

Lecturer in Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Assiut University since 06/11/ 1995.

Associate professor in Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Assiut University since 26/7/ 2009 until 12-2016.

Head of Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Assiut University since 12/ 02/ 2015 till 09-2019.

PUBLICATIONS:

1. Synthesis and Structural Assignment of Certain Pyrimido[1,2-a]-Benzimidazole Derivatives
Samia G. Ahmed, Abd-El Hamid N. Ahmed, Nabil M. Omar & Mahmoud A. El-Gendy
J. Chem. Tech. Biotechnol., **57**, 363-370 (1993).
2. structure and synthesis of a new chiral, β -carboline found in cultured cell clumps of rauwolfia serpentina & rhasya stricta
Mariko Kitajima, Seiichiro Shirakawa, Samia G.A. Abdel-Moty, Hiromitsu Takayama, Shin-ichiro Sakai, Norio Aimi and Joachim Stöckigt.
Chem. Pharm. Bull., **44 (11)** 2195-2197 (1996)
3. Synthesis of cytotoxic 1-polyhydroxyalkyl- β -carboline derivatives.
SG Abdel-Moty, S Sakai, N Aimi, H Takayama, M Kitajima, A El- Shorbagi, AN Ahmed, and NM Omar.
Eur. J. Med Chem., **32**, 1009-1017 (1997).
4. Synthesis and antimicrobial activity of certain nitropyridine derivatives.
Nawal Abou Baker El- Koussi, Samia Galal Ahmed and Hoda Youssef Hassan
Bulletin Faculty of Science, Assiut University Vol. 33 (2-b), 9 -17 (2004).
5. Synthesis and anti-inflammatory testing of some new compounds incorporating 5-amino-salicylic acid (5-asa) as potential prodrugs.
A.M. Abdel-Alim, A. A. El-Shorbagi, S. G. Abdel-Moty and H. H. M. Abd-Allah
Presented in: The 2nd International Conference on chemistry and its Application, Doha - Qatar, December 6-9, abstract p. 514(2003)

6. **Synthesis Of Some Quinoline Thiosemicarbazone Derivatives Of Potential Antimicrobial Activity.**
Samia G. Abdel-Moty, Mostafa H. Abdel- Rahman , Hosney A. Elsherief and Abdel-Hamid N. Kafafy
Bull. Pharm Sci. Assiut University Vol. 28 (1), 79-93 (2005).
7. **Synthesis of certain 2-aroylindole derivatives of potential analgesic, anti-inflammatory and antipyretic activities.**
Samia G. Abdel- Moty, Abu- Baker M. Abdel- Aal, Abdel- Hamid N. Kafafy and Abdel-Nasser A. El-Shorbagi
Presented in: The 2nd International Conference on Chemistry and its Application, Doha - Qatar, December 6-9, abstract p. 510 (2003)
Bull. Pharm. Sci. Assiut University Vol. 28 (2), 213-223 (2005).
8. **Synthesis and antimicrobial activity of some 3,5- disubstituted-tetrahydro-2H-1,3,5-thiadiazine-2-thione derivatives.**
Samia G. Abdel Moty.
Bull. Pharm. Sci., Assiut University, Vol. 28 (1), 9-15 (2005).
9. **Synthesis of trigonelline and nicotinamide linked prodrugs of 5-amino-salicylic acid (5-ASA) with analgesic and anti-inflammatory effects.**
Presented in: Assiut University 4th Pharmaceutical Sciences Conference, Assiut, Egypt, March, 6-7, abstract p. 95 (2004).
A.M. Abdel-Alim, A. A. El-Shorbagi, S. G. Abdel-Moty and H. H. M. Abd-Allah
Bull. Pharm. Sci. Assiut University Vol. 28 (2), 237-253 (2005)
10. **Synthesis and Biological Activity of Cerain Indole Derivatives via the Utility of 2-Acetylindole.**
Alshaimaa A. Bakr, Mostafa A. Hussein, Samia G. Abdel-Moty, Abdel-Hamid N. Kafafy and M. M. Hamdy
Bull. Pharm. Sci. Assiut University, Vol. 29 (2), 348-370 (2006)
- 11- **Synthesis of new 1,2,4-triazole derivatives of nalidixic acid as potential antibacterial and antifungal agents.**
Samia G. Abdelmoty and Helal F. Heta
Bull. Pharm. Sci., Assiut University Vol. 32(1),125 - 140, (2009).
- 12- **Synthesis and potential biological activities of certain new substituted thiazoline-quinoline derivatives.**

Mostafa A. Hussein, Abdel-Hamid N. Kafafy, Samia G. Abdel-Moty, and Ola Mohamed F. Abou-Ghadir

Assiut University 6th Pharmaceutical Sciences Conference, Assiut, Egypt, March, 12&13th, 2008. Acta Pharm. 59, 365–382 (2009)

- 13- Synthesis of some new 4,5-3(2H)pyridazinone derivatives and their cardiotoxic, hypotensive, and platelet aggregation inhibition activities.

Enas N. Amin, Abdel-Alim M. Abdel-Alim, Samia G. Abdel-Moty, Abdel-Naser A. Elshorbaji, Mahran Sh. Abdel-Rahman; *Assiut University 6th Pharmaceutical Sciences Conference, Assiut, Egypt, March, 12&13th, 2008. Arch. Pharm. Res., 33 (1), 25-46 (2010)*

- 14- Synthesis and Antimicrobial Activity of New Substituted Dihydropyrimidine derivatives.

Mostafa A. Hussein, S. G. Abdel-Moty, Salah A. Abd El-Aziz, and Mahrous A. Abou-salim

Assiut University 7th Pharmaceutical Sciences Conference, Assiut, Egypt, March, 2010. Bull. Pharm. Sci., Assiut University, Vol. 34, Part 1 p. 37-52 (2011)

- 15- Synthesis and biological evaluation of some benzimidazo[1,2,4]triazole derivatives as antimicrobial and antiinflammatory agents.

Anber Fangari Mohammed, Mostafa Ahmed Hussein, Samia Galal Abdel-Moty and Abdel-Alim Mohammed Abdel-Alim

Bull. Pharm. Sci., Assiut University, Vol. 34, Part 1 p. 77-92 (2011)

- 16- Design, synthesis and molecular docking of some new 1,2,4-triazolo-benzimidazol-3-yl acetohydrazone derivatives with anti-inflammatory-analgesic activities .

Anber F. Mohammed , Samia G. Abdel-Moty , Mostafa A. Hussein and Abdel-Alim M. Abdel-Alim

Arch. Pharm. Res. 36:1465–1479, (2013)

- 17- Synthesis and antimicrobial evaluation of some new thiazoline and thiazolidinone derivatives incorporating [1,2,4]triazolo[1,5-a]benzimidazole.

Abdel Rahman M. Mahmoud, Ola I. A. Salem, Samia G. Abdel Moty and Abdel Alim M. Abdel Alim

"The 30th World Congress of Biomedical Laboratory Sciences" (18-22 August, 2012) Berlin, Germany.

Indian J. of Pharm. Sci.; September - October; 75(5), 545-556, (2013)

- 18- Design and synthesis of some new purine-dione derivatives of potential anti-inflammatory activity. Ola F. Abou-Ghadir, Alaa M. Hayallah., Samia G. Abdel-Moty and Mostafa A. Hussein. *Der Pharma Chemica, 6(2):199-211, (2014)*

- 19- Synthesis And Biological Evaluation Of Some Novel 1,2,3-Triazol-N-Arylidene Acetohydrazone Incorporating Benzimidazole Ring Moiety As Potential Antimicrobial Agents.
Bahaa G. M. Youssif, Samia Galal Abdel-Moty And Ibrahim M. Sayed
J. Curr. Chem. Pharm. Sc.: 4(2), 54-64, (2014)
- 20- Synthesis, anti-inflammatory and molecular docking of some new 1,2,4-triazolobenzimidazol-3-yl acetone thiosemicarbazone cyclized derivatives as PLA-2 inhibitors.
Abdelrahman M. Mahmoud, Samia G. Abdel-Moty, Ola I. A. Salem, Abdel-Alim M. Abdel-Alim and Ahmed S. Aboraia.
Journal of Advances in Chemistry (2015)
- 21- Design and synthesis of some substituted thiazolo[3,2-a]-pyrimidine derivatives of potential biological activities.
Samia G. Abdel Moty, Mostafa A. Hussein, Salah A. Abdel Aziz, Mahrous A. Abou-Salim
Saudi Pharmaceutical Journal (2016) 24, (119–132)
- 22- Design and synthesis of novel 5-aminosalicylates (5-ASA)- 4-thiazolinone hybrid derivatives with promising antiproliferative activity.
Hajjaj H.M. Abdu-Allah, Samia G. Abdel-Moty, Raafat El-Awady, Abdel-Nasser A. El-Shorbagi
Bioorganic & Medicinal Chemistry Letters 26 (2016) 1647–1650
- 23- Synthesis of hexahydro-6H-indolo[2,3-b]quinoxaline derivatives as potential antibacterial and anti-inflammatory agents.
Hajjaj H. M. Abdu-Allah, Samia G. Abdel-Moty and Helal F. Heta
Der Pharma Chemica, 2016, 8(4):192-201
- 24- The antiviral (RNA & DNA) profile of some incomplete C-nucleosides inspired from natural β - carboline (pyrido[3,4-b]indole) scaffold; pharmacology of the intermediates in the total synthesis.
A. A. El-Shorbagi, S. G. Abdel-Moty, A. N. Ahmed, H. Takayama, M. Kitajima, N. Aimi and S. Sakai. *Der Pharma Chemica, 7(11):87-92; (2015)*
- 25- 5-Aminosalicylic Acid (5-ASA): A Unique Anti-Inflammatory Salicylate.
Hajjaj H Abdu-Allah, Abdel-Nasser A El-Shorbagi, Samia G Abdel-Moty, Raafat El-Awady and Abdel-Alim M Abdel-Alim
Review Article: *Med. Chem. (Los Angeles) Volume 6(5): 306-315 (2016)*
- 26- Synthesis, Molecular Modeling Study and Anti-inflammatory Activity of Novel Benzimidazole Derivatives with Promising Cyclooxygenase Inhibitory Properties

- Rana M. I. Morsy, Ola I. A. Salem, Samia G. Abdel-Moty and Abdel-Hamid N. Kafafy
Der Pharma Chemica, 8(17):213-231; (2016)
- 27- Design, Molecular Modeling and Synthesis of Some New Purine-diones and Pyridopyrimidinediones with Anticancer Activity.
 Ola F. Abou-Ghadir, Alaa M. Hayallah, Samia G. Abdel-Moty, Mostafa A. Hussein, Ahmed S. Aboraia and Douaa Sayed
Journal of Advances in Chemistry; Volume 13 Number 12; 6065-6082 (2017)
- 28- Synthesis, biological evaluation and docking study of 1,3,4-thiadiazolethiazolidinone hybrids as anti-inflammatory agents with dual inhibition of COX-2 and 15-LOX
 Yasser M. Omar, Hajjaj H.M. Abdu-Allah, Samia G. Abdel-Moty
Bioorganic Chemistry 80, 461–471; (2018)
- 29- Synthesis and anti-HSV activity of tricyclic penciclovir and hydroxybutylguanine derivatives
 Anber F. Mohammed, Graciela Andrei, Alaa M. Hayallah, Samia G. Abdel-Moty, Robert Snoeck, Claire Simons. *Bioorganic & Medicinal Chemistry* 27; 1023–1033 (2019)
- 30- Mohammed T. E. Maghraby, Ola M.F. Abou-Ghadir, Samia G. Abdel-Moty, Asmaa Y. Ali, Ola I. A. Salem. Novel class of benzimidazole-thiazole hybrids. The privileged scaffolds of potent anti-inflammatory activity with dual inhibition of cyclooxygenase and 15-lipoxygenase enzymes. *Bioorganic & Medicinal Chemistry* 28, 115403 (2020)
- 31- Yasser M. Omar, Samia G. Abdel-Moty, Hajjaj H.M. Abdu-Allah. Further insight into the dual COX-2 and 15-LOX anti-inflammatory activity of 1,3,4-thiadiazole-thiazolidinone hybrids: The contribution of the substituents at 5th positions is size dependent. *Bioorganic Chemistry* 97, 103657 (2020)
- 32- Fatma Elzahraa Ali, Ola I. A. Salem, Mohamed A. El-Mokhtar, Ahmed S. Aboraia, Samia G. Abdel-Moty, Abu-Baker M. Abdel-Aal
 Design, synthesis and antiproliferative evaluation of lipidated 1,3-diaryl propenones and their cyclized pyrimidine derivatives as tubulin polymerization inhibitors.
Results in Chemistry 6, 101016 (2023)
- 33- Ahmed M.M. Hassan, Anber F. Mohammed, Jyothi kumari, Dharmarajan Sriram, Hajjaj H.M. Abdu-Allah, Samia G.A. Abdel-Moty
 Hybrids of 4-aminosalicylic acid with dual anti-mycobacterial and anti-inflammatory activities: Synthesis, biological evaluation, *in silico* investigation and structure-activity relationships exploration. *Journal of Molecular Structure*; Volume 1318, Part 2, 15 December, 139217, (2024)

Conferences and Workshops:

13-14/04/2016 Assiut University 10th International Pharmaceutical Science Conference,
Faculty of Pharmacy, Assiut, Egypt, April (Posters)

"Synthesis of hexahydro-6H-indolo[2,3-b]-quinoxaline derivatives and testing their antibacterial and anti-inflammatory activities "(Poster)

12-13/03/2014 Assiut University 9th International Pharmaceutical Science Conference,
Faculty of Pharmacy, Assiut, Egypt, March (Posters)

“Synthesis and Anti-cancer Activity of Some New Purine-dione and Pyrido[2,3-*d*]- pyrimidine Derivatives” (Poster)

14-15/03/2012 Assiut University 8th International Pharmaceutical Science Conference,
Faculty of Pharmacy, Assiut, Egypt, March (Posters)

"Synthesis of some new purine-dione derivatives of potential anti-inflammatory activity" (Poster).

17-18/03/2010 Assiut University 7th International Pharmaceutical Science Conference,
Faculty of Pharmacy, Assiut, Egypt, March (Posters)

“Synthesis of Some New Substituted Dihydropyrimidines and Thiazolopyrimidine with Potential Biological Activities” (Poster).

12-13/03/2008 Assiut University 6th International Pharmaceutical Science Conference,
Faculty of Pharmacy, Assiut, Egypt, March (Posters)

“Synthesis and potential biological activities of certain new substituted thiazoline-quinoline derivatives”

06-08/03-2006 Assiut University 5th International Pharmaceutical Science Conference,
Faculty of Pharmacy, Assiut, Egypt, March.

-Workshop of “Computer Aided Drug Design using MOE software” in the medicinal chemistry department, faculty of pharmacy, Assiut University (24 hours) 2013

SUPERVISION OF MASTER THESIS:

One of the supervision committee for the following master and doctoral thesis:

- "synthesis and anti-inflammatory testing of some new compounds incorporating 5-amino-salicylic acid (5-ASA) as potential prodrugs" Student name: H. H. M. Abd-Allah (Approved). Master
- " Synthesis of certain 2-aryloindole derivatives of potential analgesic, anti-inflammatory and antipyretic activities" Student name: Abu- Baker M. Abdel- Aal (Approved). Master

- **"Synthesis Of Some Quinoline Thiosemicarbazone Derivatives Of Potential Antimicrobial Activity "** Student name: , Mostafa H. Abdel- Rahman. (Approved). Master
- **"Synthesis and study of the biological activity of new indole derivatives through some reactions of 2-acetyl indole".** Student name: Al-Shaima A. Abo Baker (Approved). Master
- **"Synthesis of some new derivatives of substituted thiazoline-quinoline of potential biological activity".** Student name: Ola M. Fahmy (Approved). Master
- **“ Design and synthesis of some 1,2,4-triazolobenzimidazolyl acetohydrazide derivatives of potential biological activities”** Student name: Anber F. Mohammed (Approved). Master
- **“Synthesis of some new pyridazinone derivatives of potential cardiotoxic and hypotensive activities”** Student name: Enas N. Amin (Approved). Master
- **“Design And Synthesis Of New Dihydropyrimidine And Thiazolo [3,2-A]Pyrimidine Derivatives Of Potential Biological Activity”** Student name: Mahrous Ali Mohamed Abou-Salim; (Approved). Master
- **“Synthesis of some (1, 2, 4) triazolobenzimidazolylacetone thiosemicarbazone derivatives of potential biological activity”** Student name: Abdelrahman M. Mahmoud (Approved). Master
- **"Design and synthesis of some new 1,8-disubstituted xanthine, thiazolopurine and pyridopyrimidine dione derivatives with anticancer and anti-inflammatory activities"** Ola M. Fahmy (Approved). Doctor

- **Design and synthesis of novel mercaptobenzimidazole linked to different heterocyclic moieties via acetohydrazide for evaluation of their anti-inflammatory activity"** Rana M Morsy; Master (Approved).
- **"Design and synthesis of potential anti-HSV-1 xanthine fused heterocyclic derivatives for cancer treatment"** Anber F. Mohammed Doctor(Approved).
- **Synthesis and antitumor activities of new hybrid molecules containing 1,3,4-thiadiazole and 1,3-thiazolidin-4-one bearing benzylidene and isatin moieties.** Yaser M Omer. Master (Approved).
- **Design, synthesis and anticancer activity of some new 1,3-diarylpropanones and their cyclized derivatives.** Fatma Elzahraa Ali Master (Approved).
- **Design, synthesis and biological evaluation of some new heterocyclic derivatives of 4-aminosalicylic acid as dual antimycobacterial and anti-inflammatory agents.** Ahmed Mahmoud Moustafa Hassan; Master (Approved).

- “Design, Synthesis and Anticancer activity of some new 1, 2, 4-Triazole and Benzimidazole derivatives and hybrid of them” Dina Kamal; not approved.
- Design and synthesis of new benzimidazolo-triazoles/oxadiazoles derivatives of potential biological activities. Hisham Taha; not approved.
- Design and synthesis of novel derivatives of 1.3-diaryl propenone and imidazo-pyridines as immunomodulators; Samia Mostafa; not approved.
-

Research Experiences: Synthesis and purification of pharmaceutical organic compounds such as Pyrimido[1,2-a]-Benzimidazole derivatives , β -carboline, Thiosemicarbazone, indole Derivatives, and using TLC,UV and IR as reaction follow up tools.

- Structure elucidation of various prepared compounds using different spectroscopic techniques such as IR, ^1H and ^{13}C NMR and MS
- Design and synthesis of triazole derivatives as antimicrobial agents.
- Synthesis of Xanthenes & thiazolopurines as anticancer agents
- Synthesis of Thiosemicarbazone, indole Derivatives as Anti-inflammatory agents.

- **Professional experience:**

Title: Lecturer of Pharm. Organic Chemistry.

University Teaching:

1.- Sharing in teaching of the theoretical and practical courses of Pharmaceutical Organic Chemistry, first and second year Pharm D Pharmacy, Assiut University.

2.- Sharing in teaching of the theoretical and practical courses of Pharmaceutical Organic Chemistry for clinical pharmacy students; second and third levels Pharm D pharmacy, Assiut University.

Sharing in teaching of the theoretical and practical courses of Pharmaceutical Organic Chemistry, first and second year Pharm D Pharmacy, Assiut National University, Assiut.

3.- Sharing in teaching of the general and special courses of Instrumental, Advanced Pharmaceutical Organic Chemistry, Advanced Pharmaceutical Medicinal Chemistry and Applied practical chemistry for Master Post-graduate Students.

4.- Sharing in teaching of the special courses of Advanced Pharmaceutical Organic Chemistry, for Doctor Post-graduate Students.

5- Teaching of ^1H -NMR and IR and mass spectrometry for postgraduates at Assiut and Assiut National university

