

Curriculum Vitae (CV)



• Personal Data

Name **Alaa Arafat Khalifa Mohamed Hayallah**
Sex Male
Date of Birth 28.06.1967
Nationality Egyptian
Marital Status Married and have three daughters
Languages Arabic, English and German
Permanent address Pharmaceutical Organic Chemistry Dept., Faculty of Pharmacy, Assiut University, 71526 Assiut, Egypt
E-mail and Tel. alaa_hayalah@yahoo.com
002-088-2411312 (work), 002-088-2306174 (home)
Fax. 002-088-2332776, 002-01283410110 (mobile)

• Present position

Head of pharmaceutical organic chemistry Department, Faculty of Pharmacy, Assiut University, Egypt

• Education

1973-1979 Primary School (*excellent*)
1979-1982 Preparatory School (*very good*)
1982-1985 Secondary School (*excellent*)
1985-1990 Student of the Faculty of Pharmacy, Assiut University, Egypt
07/1990 B.Sc. in Pharmaceutical Sciences, Faculty of Pharmacy, Assiut University, Egypt (*very good with degree of honour*)
03/1992 Starting of M.Sc. study, Faculty of Pharmacy, Assiut University, Egypt
10/1996 Master Degree (M.Sc.) in the Pharmaceutical Organic Chemistry, "**Synthesis of certain thiazolo[3,2-a]benzimidazole derivatives of potential hypoglycemic activity**"

Supervisors: Prof. Dr. N. Omar, Prof Dr. A. N. Ahmed and Prof. Dr. A. A. El-Shorbagy.

Faculty of Pharmacy, Assiut University, Assiut, Egypt

11/1999-02/2000 Intensive German language course in Goethe Institute, Bonn, Germany

03/2000 - 10/2003 Ph.D. studies in the Pharmaceutical Organic Chemistry:
“Design, synthesis, biological investigation and structure activity relationships of new potent A_{2B} selective adenosine receptor antagonists as potential immunomodulators”

Supervisor: *Prof. Dr. Christa E. Müller.*

Pharmaceutical Institute, Bonn University, Bonn, Germany

Summer term 2001 Regular and successful participation in the Radiopharmacy course, part I, at the Pharmaceutical Institute, Bonn University, Germany

Winter term 2001/2002 Regular and successful participation in the Radiopharmacy course, part II, at the Pharmaceutical Institute, Bonn University, Germany

Winter term 2002/2003 Regular participation in the radiation safety course at the Pharmaceutical Institute, Bonn University, Germany

Winter term 2002/2003 Regular and successful participation in the Clinical Pharmacy course at the Pharmaceutical Institute, Bonn University, Germany

● **Research Experiences**

- Synthesis and purification of pharmaceutical organic compounds such as thiazol[3,2-a]benzimidazole derivatives and their quaternary salts as hypoglycemic agents 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 ¹³C NMR and Ms

- Synthesis of aromatic and heterocyclic compounds such as phenacyl bromides, 2-Mercaptobenzimidazole derivatives
- Pharmacological investigation techniques of potential hypoglycemic compounds using oral and intraperitoneal administration
- Synthesis of uracil derivatives as biologically active compounds
- Synthesis and Design of Alloxazine and Xanthine derivatives as Adenosine (A_{2B}) Receptor antagonists
- Synthesis of xanthine derivatives as PEPCK inhibitors & anti-tumor agents
- Design and synthesis of triazole derivatives as potent cytohesin inhibitors
- Synthesis of thiazolopurines as antinociceptive agents
- Synthesis of theophylline derivatives as anti-asthmatic and antimicrobial agents
- Design and synthesis of triazole derivatives as antimicrobial agents.
- Synthesis of Xanthines & thiazolopurines as anticancer agents

- **Conferences and Workshops**

12-20/6/1995	Teaching methods workshop, faculty of education, Assiut University, Assiut, Egypt
03/12/2001	First aids training workshop, Bonn University, Germany
14-15/12/2001	“DFG-Forschergruppe 425” Meeting, Königswinter, Bonn, Germany. (Oral presentation)
15-18/9/2002	Summer School Medicinal Chemistry at University of Regensburg Germany (Poster presentation)
21-23/7/2003	Combinatorial Approaches Towards Small-Molecule Libraries Workshop at University of Bonn, Germany.
15-18/10/2003	Polish-Austrian-German-Hungarian-Italian Joint Meeting on

06-07/03/2004	Medicinal Chemistry, Krakow, Poland (Poster presentation) 4 th Pharmaceutical Science Conference, Assiut University (Audience)
21-23/12/2004	Egyptian Pharmaceutical Society and Arab Pharmacy Colleges Conference, Cairo, Egypt (Poster presentation)
08-09/03/2005	Training of trainers (TOT) workshop for high education internal quality assurance, Assiut University, Assiut, Egypt
03-05/06/2005	Fourth Congress of Pharmacy with International participation, Sofia, Bulgaria (Poster presentation)
02-07/07/2005	Organizer and Participant of the First aids workshop, Faculty of Pharmacy, Assiut University, Assiut, Egypt
12/10/2006	International symposium "Complex Molecular Architectures on Surface", Gustav-Stresemann-Institute (GSI), Bonn, Germany. (Audience)
31.03-4.4/2007	Training of trainers (TOT), workshop, pathways to higher education, University of Assiut, Assiut, Egypt.
02.06-04.06/2007	Workshop for advanced technology in teaching methods, Assiut University, Assiut, Egypt.
12-13/03-2008	Organizer and participant of 5 th International Conferenece of Pharmaceutical Science, Faculty of Pharmacy, Assiut University, Assiut, Egypt. (Audience & Organizer)
13-14/10/2008	Al-Azhar 5 th International Conferenece for Pharmaceutical and biological Science, cairo, Egypt, (Poster)
13-14/10/2008	Al-Azhar 5 th International Conferenece for Pharmaceutical and biological Science, cairo, Egypt, (Oral lecture)
14-15/03/2012	Assiut University 8 th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March (Lecture)
14-15/03/2012	Assiut University 8 th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March (Posters)

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

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

● **Previous and current Positions**

10/1990- 02/1992 Armed Forces (Director of Elmaady Armed Forces Hospital Pharmacy)

1992-1996 Demonstrator at Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Assiut University, Egypt served as teaching assistant for undergraduate students and achievement the research project for fulfilment of master degree

1996-1999 Assistant lecturer and responsible for teaching the practical part of the pharmaceutical Organic Chemistry courses at pharmaceutical organic chemistry Department, Faculty of Pharmacy, Assiut University, Egypt

Winter term 2002/2003
and summer term 2003

Participation in teaching the practical part of “Pharmaceutical Chemistry I, including analytics, organic drugs, adjuvants and harmful substances” for the third semester of pharmacy students, Pharmaceutical Institute, Bonn University, Germany

Since 27/12/2003

Assistant professor at pharmaceutical organic chemistry Department, Faculty of Pharmacy, Assiut University, Egypt.

- Teaching of pharmaceutical organic chemistry for first and second year undergraduate students at Assiut University and Alazhar university, Assiut branch.
- Teaching of advanced Organic Chemistry, advanced practical organic chemistry and organic medicinal chemistry

for postgraduate students.

- Teaching of $^1\text{H-NMR}$ and $^{13}\text{C-NMR}$ and mass spectrometry for postgraduates at Assiut and Al-azhar university.

Winter term 2005/2006
and summer term 2006

- Teaching of “Pharmaceutical Organic Chemistry, Medicinal Chemistry and Molecular Biology” for the undergraduate and postgraduate students, LIMES Program Unit Chemical Biology & Medicinal Chemistry, Universität Bonn, Gerhard-Domagk-Strasse, 153121 Bonn, Germany

02/2010-02/2012

- Teaching of “Pharmaceutical Organic Chemistry, Medicinal Chemistry, Drug Design. Instrumental tools for drug analysis and molecular biology” for the undergraduate and post. students, Faculty of Pharmacy, Israa University, Jordan

Since 27/06/2009

Associate professor at pharmaceutical organic chemistry Department, Faculty of Pharmacy, Assiut University, Egypt

02/2010-02/2012

Associate professor of Pharmaceutical Organic Chemistry & Medicinal Chemistry, Faculty of Pharmacy, Israa University, Jordan

Academic year 2011/2012

Applied Pharmaceutical Sciences Dept. Head, Faculty of Pharmacy, Israa University, Jordan

Academic year 2011/2012

Clinical Pharmacy Education Dept. Head, Faculty of Pharmacy, Israa University, Jordan

11/2012 till now

Head of Pharmaceutical Organic Chemistry Department, Faculty of Pharmacy, Assiut University, Egypt

• [Post doctor positions](#)

02/2006- 03-2007

Postdoctoral scholarship from **Prof. Dr. Michael Famulok** at LIMES Program Unit Chemical Biology & Medicinal Chemistry, Universität Bonn, Gerhard-Domagk-Strasse 1 53121 Bonn, Germany

● **Scientific Activities**

Reviewer for the following Journals:

- **Medicinal Chemistry Research.**
- **Journal Letters in Drug Design & Discovery (LDDD).**
- **Drug and Chemical Toxicology Journal.**
- **Journal of Pharmacology and Experimental Therapeutics (JPET).**
- **Journal of Biochemical Pharmacology.**
- **International Journal of Medicine and Medical Sciences.**

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- Trainer for pathways to higher education, University of Cairo and Assiut. (Communication skills & stress management).
 - Member of environmental studies and research centre at Assiut University.
 - Member of Analytical Unit Centre at Assiut University.
 - Member of postgraduate and research committee at faculty of Pharmacy, Assiut University.

● **Society Membership**

1987-1990	Member of the Assiut University Students Scientific Association
1990 to date	Member of Assiut and Egyptian Pharmaceutical Syndicate
1992 to date	Member of Egyptian Pharmaceutical association
04/2002-10/2003	Egyptian students union president in Bonn, Germany
03/2007 to date	Pharmaceutical students association director at Faculty of Pharmacy, Assiut University, 71526 Assiut, Egypt.
03/2007 to date	Member of Assiut University higher committee for student activities.
01/2008 – 02/2010	Director of talented student's activities centre at Assiut University, Egypt.
2006, 2008 & 2012	Organization of Assiut University International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut University.

• **Leisure Activities** Reading, Music, Computer and Football

• **Awards**

1/2/2006-1/3/2007

- Postdoctoral scholarship from **Prof. Dr. Michael Famulok** at LIMES Program Unit Chemical Biology & Medicinal Chemistry, Universität Bonn, Gerhard-Domagk-Strasse 1 53121 Bonn, Germany (02/2006 to 03/2007)

- First ideal student of faculty of Pharmacy, Assiut University 1990

- Second ideal student of Assiut University 1990

• **Reference Persons**

Prof. Dr. Michael Famulok

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LIMES Program Unit Chemical Biology & Medicinal Chemistry, University of Bonn, Gerhard-Domagk-Strasse 1 53121 Bonn, Germany

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Prof. Dr. Christa E. Müller.

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University of Bonn, Pharmaceutical Institute

Pharmaceutical Chemistry I, An der Immenburg 4

D-53121 Bonn (Endenich), Germany. Phone: +49-(0)228-73-2301, Fax: +49-(0)228-73-2567

Prof. Dr. Abdel-Alim M. Abdel-Alim

Alim@acc.aun.eun.eg,

Pharmaceutical Organic Chemistry Dept., Faculty of Pharmacy, Assiut University, 71526 Assiut, Egypt

Pharm. Org. Chem. Dept. Head

Dr. Alaa A. K. M. Hayallah

Faculty Dean

prof.Dr. Zedan Zeid Ibraheim

List of Publications:

- Mostafa H. Abdelrahman, **Alaa M. Hayallah**, and Laurent Trembleau
Synthesis and Molecular Docking Of Novel Indol-2-Carboxamide Derivatives With Anti-inflammatory and Antinociceptive Activities.
Journal of Advances in Chemistry, 2014, 9, 3143-3159.
- **Alaa M. Hayallah**, Mohamed K. Abdelhamid
Design, molecular modeling and synthesis of new pyridopyrimidine derivatives as potential anti-inflammatory agents.
Der Pharma Chemica. 2014, 6(5), 45-57.
- **Alaa M. Hayallah**
Design and synthesis of new SECIN-H3 as potential cytohesin antagonists
Indian J Pharm Sci., 2014, 76(5), 387-400.
- Amjad Abuirmeileh, Sondos Samara, Alaa Alkhodari, Anas Bahnassi, Ahmad Talhouni and **Alaa M. Hayallah**
Antibiotic Dispensing without Prescription in Jordanian Community Pharmacies: A Pharmacist's Perspective
Bull. Pharm. Sci. Assiut University 2014, 37, 51-63.
- Abdel-Nasser El-Shorbagi, Hamadeh Tarazi Mohamed Semreen and **Alaa Hayallah**
Targeting some THTT derivatives as scaffold for dopamine to CNS, neuroprotective agents, computation and docking on GSK-3
International Journal of Pharma Sciences and Research (IJPSR), 2014, 560-569.
- Ola F. Abou-Ghadir, **Alaa M. Hayallah**, Samia G. Abdel-Moty and Mostafa A. Hussein
Design and Synthesis of some New Purine-dione Derivatives of Potential Anti-inflammatory Activity

Der Pharma Chemica, 2014,6(2):199-211

- **Alaa M. Hayallah** and Ibrahim M. Sayaed

Design and synthesis of some new 1,2,4-triazole derivatives linked amides and schiff's bases as antibacterial agents.

Bull. Pharm. Sci., Assiut University, 2013, 36, 117-128.

- **Alaa M. Hayallah**, Suzan A. Isper and Amira S. Al-Okosh

Design and synthesis of some new theophylline linked amides and Schiff's bases as bronchodilators and antiinflammatory agents.

International Research Journal of Pharmacy and Pharmacology, 2, 2012, 323-336.

- **Alaa M. Hayallah**, Ahmad A. Talhouni and Abdel Alim M. Abdel Alim

Design and Synthesis of some New 8-Anilide Theophylline Derivatives as Bronchodilators and Antibacterial Agents.

Arch. Pharm. Res. **35**, 2012, 1355-1368.

- Bahaa Gamal Mohamed Youssif, Kensuke Okuda, Tetsuya Kadonosono, Ola Ibrahim Abdel Razek Salem, **Alaa Arafat Mohamed Hayallah**, Mostafa Ahmed Hussein, Shinae Kizaka-Kondoh, and Hideko Nagasawa

Development of a Hypoxia-Selective Near-Infrared Fluorescent Probe for Non-invasive Tumor Imaging

Chem. Pharm. Bull. **60**, 2012, 402-407.

- **Alaa M. Hayallah**, Walid A. Elgaher,, Ola I. Abdel Razek, and Abdel Alim M. Abdel Alim

Design and Synthesis of Some New Theophylline Derivatives with Bronchodilator and Antibacterial Activities.

Arch. Pharm. Res. 2011, 34, 3-21.

- Christopher A. Jones, Naoyuki Nishiya, Nyall R. London, Weiquan Zhu, Haoyu Chen, Qisheng Zhang, Peter G. Schultz, **Alaa M. Hayallah**, Michael Famulok, Kang Zhang, Mark H. Ginsberg and Dean Y. Li

Slit2-Robo4 signaling promotes vascular stability by blocking Arf6 activity

Nature cell biology 2009, 11. 1325-1331.

- Xi-He Bi, Anton Schmitz, Alaa M. Hayallah, and Michael Famulok.

Specific photoaffinity labeling of cytohesin Sec7 domains with a bifunctional SecinH3 photoaffinity probe

Angew. Chem. Int. Ed. 2008, 47, 9565 –9568.

- Walid A. Elgaher, Alaa M. Hayallah, Ola I. Abdel Razek, and Abdel Alim M. Abdel Alim

Synthesis, Anti-bronchoconstrictive, And Antibacterial Activity Of Some New 8-Substituted-1,3-dimethyl-xanthine Derivatives

Bull. Pharm. Sci., Assiut University, 2009, 32, 153-187.

- Hayallah, A. M., Helal F. Heta

Design and synthesis of some new 1, 3, 5-Trisubstituted[1,2,4]Triazole Derivatives as Potential Antibacterial Agents.

Bull. Pharm. Sci., Assiut University, 2008,31, 375-390.

- Alaa M. Hayallah, Georgi Momekov and Michael Famulok

Antitumor activity of some new 1,3,8-trisubstituted purine-2,6-diones and 1,3,6-trisubstituted thiazolo[2,3-f]purine-2,4-diones

Bull. Pharm. Sci., Assiut University, 2008,31, 391-399.

- Andras Bilkei-Gorzo & Osama M. Abo-Salem & Alaa M. Hayallah & Kerstin Michel & Christa E. Müller & Andreas Zimmer

Adenosine receptor subtype-selective antagonists in inflammation and hyperalgesia

Naunyn-Schmiedeberg's Arch. Pharmacol, (2008) 377:65–76

- **Hayallah, A. M.**; Famulok, M.

Synthesis of new 1,3,8-trisubstituted purine-2,6-diones and 1,3,6- trisubstituted thiazolo[2,3-*f*]-purine-2,4-diones.

Heterocycles, 2007, 74, 369-382

- **Hayallah, A. M.**

Design and Synthesis of New 1,8-Disubstituted-3,7-dihydro-purine-2,6-diones and 3,6-Disubstituted-1H-thiazolo[2,3-*f*]purine-2,4-diones as Potential Antinociceptive and Anti-inflammatory Agents.

Pharmacia, 2007, 54, 3-13.

- **Hayallah, A. M.**; Radwan, A. A.

Synthesis and quantitative structure activity relationship (QSAR) study of new 3-allyl-5-substituted-tetrahydro-2H-1,3,5-thiadiazine-2-thiones of potential antimicrobial activity

Bull. Pharm. Sci., Assiut University, Egypt **2007**,30,39-50.

- Yan, L.; Bertarelli, D. C. G.; **Hayallah, A. M.**; Meyer, H.; Klotz, K.-N.; Muller, C. E.

A New Synthesis of Sulfonamides by Aminolysis of *p*-Nitrophenylsulfonates Yielding Potent and Selective Adenosine A_{2B} Receptor Antagonists.

J. Med. Chem.; **2006**; 49(14); 4384-4391.

- Daniela C. G. Bertarelli; Martina Diekmann; **Alaa M. Hayallah**; Dorothee Rüsing; Jamshed Iqbal; Birgit Preiss; Eugen J. Verspohl; Christa E. Müller.

Characterization of human and rodent native and recombinant adenosine A_{2B} receptors by radioligand binding studies.

Purinergic Signalling, **2006**, 2 (3) 559-571.

- Abo Salem, O. M.; **Hayallah, A. M.**; Bilkei-Gorzo, A.; Filipek, B.; Abdel-Wahab; M. H.; Hamada, F. M.; Zimmer, A.; Müller, C. E.

Antinociceptive effects of novel A_{2B} adenosine receptor antagonists.

J. Pharmacol. Exp. Ther. **2004**, 308.

- Weyler, S.; Hayallah, A. M.; Müller, C. E.

Versatile, convenient synthesis of pyrimido[1,2,3-*cd*]purinediones.

Tetrahedron **2003**, 59, 47-54.

- Hayallah, A. M.; Sandoval-Ramirez, J.; Reith, U.; Schobert, U.; Preiss, B.; Schumacher, B.; Daly, J. W.; Müller, C. E.

1,8-Disubstituted xanthine derivatives: synthesis of potent A_{2B}-selective adenosine receptor antagonists.

J. Med. Chem. **2002**, 45, 1500-1510.

- El-Shorbagi, A. A.; Hayallah, A. M.; Omar; N. M.; Ahmed, A. N.

Design and synthesis of some thiazolo[3,2-*a*]benzimidazole quaternary salts of potential antidiabetic activity.

Bull. Pharm. Sci., Assiut University, Egypt **2001**, 24, 7-20.

Abstracts (posters and oral presentations):

- Hayallah, A. M.,

“Xanthine Derivatives as Drug Candidates”. (Lecture)

12th & 13th, 2014. (Lecture). Assiut University 9th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March

- Ola abougadir, Alaa. M. Hayallah,

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

12th & 13th, 2014. (Lecture). Assiut University 9th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March

- Hayallah, A. M.,

Synthesis and Biological Evaluation of some New 1,2,4-Triazole Derivatives Incorporating Coumarin Ring Moiety as Antimicrobial and Anti-inflammatory Agents. (Poster)

12th & 13th, 2014. (Lecture). Assiut University 9th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March

• **Hayallah, A. M,**

Synthesis of Some New 1,3-Diethyl-8-disubstituted Xanthenes and 1,3,6-Trisubstituted-1H-thiazolo[2,3f]purine-2,4-diones as Potential Anti-asthmatic and Anti-inflammatory Agents. (Poster)

12th & 13th, 2014. (Lecture). Assiut University 9th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March

• **Hayallah, A. M,**

Design, Synthesis and effect of new small molecules SecinH3-related cytohesin antagonists on ARF activation and insulin-dependent IGFBP1 transcription. (Lecture)

14th & 15th, 2012. (Lecture). Assiut University 8th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March

• **Hayallah, A. M,** Suzan A. Isper and Amira S. Al-Okosh

Design, Synthesis and Bronchodilating Activity of Some New Theophylline Linked Amides and Schiff's Bases.

Assiut University 8th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March 14th & 15th, 2012. (Poster).

• Ahmed A. Talhouni, Tagreed Halaibeh and **Alaa M. Hayallah**

Design and Synthesis of New 8-substituted and 7,8-disubstituted Theophylline Derivatives of Anti-inflammatory Activity

Assiut University 8th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March 14th & 15th, 2012. (Poster).

- Bahaa G. M. Youssif, Kensuke Okuda, Tetsuya Kadonosono, Ola I. Abdel Razek Salem, **Alaa M. Hayallah**, Mostafa A. Hussein, Shinae Kizaka-Kondoh, and Hideko Nagasawa

Design and Synthesis of NIR Fluorescent Probe for In-vivo Imaging of Tumor Hypoxia

Assiut University 8th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March 14th & 15th, 2012. (Oral communication).

- Ola F. Abou-Ghadir, **Alaa M. Hayallah**, Samia G. Abdel-Moty and Mostafa A. Hussein.

Synthesis of some New Purine-dione Derivatives of Potential Anti-Inflammatory Activity.

Assiut University 8th International Pharmaceutical Science Conference, Faculty of Pharmacy, Assiut, Egypt, March 14th & 15th, 2012. (Poster).

- **Hayallah, A. M**, Helal F. Heta

Design and Synthesis of some New 1, 3, 5-Trisubstituted[1,2,4]Triazole Derivatives as Potential Antibacterial Agents.

Ala-Azhar 5th International Conference for Pharmaceutical and biological Science, cairo, Egypt, 13-14/10/2008 (Poster)

- **Hayallah, A. M**, Walid A. Elgaher, Ola I. Abdel Razek, and Abdel Alim M. Abdel Alim

Synthesis, anti-bronchoconstrictive, and antibacterial activity of some new 8-substituted-1,3-dimethylxanthine derivatives

Ala-Azhar 5th International Conference for Pharmaceutical and biological Science, cairo, Egypt, 13-14/10/2008 (Oral communication)

- **Hayallah, A. M**

Synthesis of Some Novel 1,8-Disubstituted-3,7-dihydropurine-2,6-diones and 3,6-Disubstituted-1H-thiazolo[2,3-f]purine-2,4-diones as Potential Analgesic and Anti-inflammatory Agents.

Fourth Congress of Pharmacy with international participation, Sofia, Bulgaria **06/2005**
(Poster)

- **Hayallah, A. M.** ; Radwan, A. A.

Synthesis and quantitative structure activity relationship (QSAR) study of new 3-allyl-5-substituted-tetrahydro-2H-1,3,5-thiadiazine-2-thiones of potential antimicrobial activity

Egyptian Pharmaceutical Society and Arab Pharmacy colleges Conference, Cairo **21-23/12/2004**, Egypt (Poster presentation)

- **Hayallah, A. M.**; Luo, Y.; Müller, C. E.

New convenient synthesis of 8-(p-sulfonamidophenyl)xanthines as potent adenosine receptor antagonists.

Joint Meeting on Medicinal Chemistry, Krakow, Poland **2003**. (Poster).

- Müller, C. E.; **Hayallah, A. M.**; Sandoval-Ramirez, J.; Reith, U.; Schobert, U.; Preiss, B.; Schumacher, B.

1,8-Disubstituted xanthine derivatives:

Potent A_{2B}-selective adenosine receptor antagonists

Oral communication at the 7th International Symposium on Adenosine and Adenine Nucleotides, Gold Coast, Australia, **2002**.

- **Hayallah, A. M.**; Müller, C. E.

1,8-Disubstituted xanthine derivatives:

Potent A_{2B}-selective adenosine receptor antagonists.

Summer School Medicinal Chemistry, Regensburg, Germany **2002**. (poster)

- **Hayallah, A. M.**; Müller, C. E.

Synthesis and structure-activity relationships of potent A_{2B}-selective adenosine receptor antagonists.

Oral communication at "DFG-Forschergruppe 425" Meeting, Königswinter, Bonn, Germany, **2001**.

- **Hayallah, A. M.**; El-Shorbaji, A. A.; Ahmed, A. N.; Omar, N. M

Synthesis of certain thiazolo[3,2-a]benzimidazole derivatives of potential hypoglycemic activity.

The first Scientific Conference for the Arab Colleges of Pharmacy Irbid, Jordan **1997**.

Pharm. Org. Chem. Dept. Head

Faculty Dean

Dr. Alaa A. K. M. Hayallah

prof. Dr. Zeidan Zeid Ibraheim