

# CURRICULUM VITAE

Name : Bader A. B. Salameh  
Current Address : Chemistry Dept.  
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## Professional Experience:

- . 9/2006- Now Assistant Professor, the Hashemite University, Jordan.
- . 2/2013-7/2013 Visiting researcher, Lund University
- . 8/2004-8/2006 Research associate, University of Manchester, Manchester, U.K.
- . 9/2002-8/2004 Postdoctoral researcher, Lund University, Sweden.

## Education:

- . July 2002 Ph.D. in Organic Chemistry, University of Seville-Spain. Thesis advisors Prof. José Fuentes and Dr. Consolación Gasch. Thesis title "*Sugar isothiocyanates in the stereocontrolled synthesis of N-, C- and spiro-nucleosides*". **Excellent with honour.**
- . Dec. 1995 M.Sc. in Chemistry, University of Jordan. Thesis advisor Dr. Leila Abdelnour-Hanaieeh. Thesis title "*Heterocyclic Derivatives of N-Aryl-3,4-Dichloromaleimides*". **Very good cumulative average.**
- . June 1990 B.Sc. in Chemistry, University of Jordan. **Very good cumulative average.**

## Research Interest:

- . Carbohydrate Chemistry
- . Heterocyclic Chemistry

## Research Experience:

- 8/2004-8/2006 Research Associate, University of Manchester, UK
  - Design and Synthesis of Heparin-like oligosaccharide
- 9/2002-8/2004 Post-doctoral researcher at Lund University, Lund-Sweden
  - Design and Synthesis of galectin inhibitors
- 10/1998-7/2002 Ph.D work at University of Seville-Spain.
  - Synthesis of N-,C- and Spironucleosides
- 16/12/1995 MSc. Student (part time), University of Jordan.
  - Synthesis of quinoxalines

## Publications:

- Bader. A. Salameh, Kumait Al-Jabari, Raed A. Al-Qawasmeh and Wolfgang Voelter "Synthesis of Some New Carbohydrate Containing Thiouriedo Naphthoquinones Compounds", *Res. Chem. Intermed.*, [doi: 10.1007/s11164-013-1401-z8](https://doi.org/10.1007/s11164-013-1401-z8)
- Abdullah I. Saleh, Kayed A. Abu-Safieh, Bader A. Salameh "A concise route to 4-aminomethylpyrazoles and 4-aminomethylisoxazoles from acetylacetone-derived hexahydropyrimidines under mild conditions", *chemical papers*, 2015, 60 (5), 729-736. [doi: 10.1515/chempap-2015-0018](https://doi.org/10.1515/chempap-2015-0018)
- Bader A. Salameh, Kayed Abusafieh, Sanaa R. A. AL-Kaabenhaha Raed A. Al-Qawasmeh, "Synthesis and characterization of new N-phenylmaleimide thioglycosides", *Res. Chem. Intermed.*, 2014, 40 (8), 3001-3009. [doi: 10.1007/s11164-013-1146-8](https://doi.org/10.1007/s11164-013-1146-8)
- Raed A. Al-Qawasmeh, Bader A. Salameh, Rami AlRazim, Murad A. AlDamen and Wolfgang Voelter "Microwave Assisted Synthesis of New Adamantyltriazine Compounds", *Lett Org. Chem.* 2014, 11 (7), 513-518. [doi: 10.2174/15701786113106660063](https://doi.org/10.2174/15701786113106660063)
- Bader. A. Salameh, Ian Cumpstey, Andres. Sundin, Hakon. Leffler, Ulf. J. Nilsson "1H-1,2,3-Triazol-1-yl galactose derivatives as high affinity galectin-3 inhibitors ", *Bioorg. Med. Chem.* **2010**, 18, 5367-5378. [doi:10.1016/j.bmc.2010.05.040](https://doi.org/10.1016/j.bmc.2010.05.040).
- Steen Uldall Hansen, Marek Barath, Bader A. B. Salameh, Robin G. Pritchard, William T. Stimpson, John M. Gardiner, and Gordon C. Jayson "Scalable Synthesis of L-Iduronic Acid Derivatives via Stereocontrolled Cyanohydrin Reaction for Synthesis of Heparin-Related Disaccharides", *Org. Lett.* , **2009**, 11, 4528-4531. [doi:10.1021/ol901723m](https://doi.org/10.1021/ol901723m)
- Johan Tejler, Bader Salameh, Hakon Leffler and Ulf J. Nilsson "Fragment-based development of triazole-substituted O-galactosyl aldoximes with fragment-induced affinity and selectivity for galectin-3", *Org. Biomol. Chem.* **2009**, 7, 3982-3990. [doi:10.1039/b909091f](https://doi.org/10.1039/b909091f)
- B. A. Salameh, A. Sundin, H. Leffler, U. J. Nilsson " Thioureido N-Acetylactosamine derivatives as potent galectin-7 and 9N inhibitors", *Bioorg. Med. Chem.* **2006**, 1215-1220. [doi:10.1016/j.bmc.2005.09.050](https://doi.org/10.1016/j.bmc.2005.09.050) *This paper was featured on the cover*
- José Fuentes, Bader A. B. Salameh, M. Ángeles Pradera, Francisco J. Fernández de Córdoba, Consolación Gasch, "Stereocontrolled synthesis of thiohydantoin spironucleosides from sugar spiroacetals" *Tetrahedron*, **2006**, 97-111. [doi:10.1016/j.tet.2005.09.128](https://doi.org/10.1016/j.tet.2005.09.128)
- Bader A. Salameh, Hakon Leffler, Ulf J. Nilsson, "3-[1,2,3]-Triazol-1-yl-1-thio-galactosides as small, efficient, and hydrolytically stable inhibitors of galectin-3", *Bioorg. Med. Chem. Lett.* **2005**, 3344-3346. [doi:10.1016/j.bmcl.2005.05.084](https://doi.org/10.1016/j.bmcl.2005.05.084)
- Consolación Gasch, Bader A. B. Salameh, M. Ángeles Pradera, José Fuentes, "Isothiocyanatoulosonates, a new type of glycosyl isothiocyanate useful for the stereocontrolled synthesis of thiohydantoin spironucleosides" *Tetrahedron lett.* **2001**, 42, 8615-8617. [doi:10.1016/S0040-4039\(01\)01845-7](https://doi.org/10.1016/S0040-4039(01)01845-7)
- Consolación Gasch , M. Angeles Pradera, Bader A. B. Salameh, José L. Molina, José Fuentes, "Isothiocyanato derivatives of sugars in the stereoselective synthesis of spironucleosides and spiro-C-glycosides", *Terahedron :Asymmetry* **2001**, 12, 1267-1277. [doi:10.1016/S0957-4166\(01\)00223-3](https://doi.org/10.1016/S0957-4166(01)00223-3)
- Consolación Gasch , M. Angeles Pradera, Bader A. B. Salameh, José L. Molina, José Fuentes, "Chiral thioxohydroimidazoles with two sugar moieties. N-, C-, and spironucleosides", *Terahedron: Asymmetry*, **2000**, 11, 435-452. [doi:10.1016/S0957-4166\(99\)00550-9](https://doi.org/10.1016/S0957-4166(99)00550-9)
- Leila Hanaineh-Abdelnour, Bader A. Salameh, "Generality and scope of the syntheses of 2-arylpyrrolo[3,4-b]quinoxaline-1,3dione from 2,3- dichloro-N-arylmaleimides II." , *Heterocycles* , **1999**, 51(12), 2931-2940. [doi:10.3987/COM-99-8716](https://doi.org/10.3987/COM-99-8716)

## 1. Patents

- **PCT Int.Appl.(2005)** Bader A. B. Salameh, Hakon Leffler, Ulf J. Nilsson " Novel 3-Triazolyl-galactoside Inhibitors of Galectins" PCT Int. Appl. (2005), 60 pp. CODEN: PIXXD2 WO 2005113569 A1 20051201 CAN 144:7029 AN 2005:1259387 CAPLUS.

## Published Abstracts in International Conferences:

- Bader A. B. Salameh, Ian Cumpstey, Anders Sundin, Hakon Leffler, Ulf J. Nilsson "*High affinity galectin-3 inhibitors through 1,2,3-triazolyl thiogalactoside derivatives*", 11<sup>th</sup> Eurasia Conference on Chemical Sciences The Dead Sea – Jordan, 6-10 October **2010**.
- Bader A. B. Salameh, Barbro Kahl-Knutsson, Hakon Leffler, Ulf J. Nilsson "*Thiourea derivatives of lactosamine as galectin inhibitors*", 12<sup>th</sup> European Carbohydrate Symposium, Grenoble –France 6-11 July **2003**.
- C. Casch, B. A. B. Salameh, M. A. Pradera, F. J. Fernandez de cordoba, J. Fuentes, "*Synthesis of Hydantocidin analogues*", 23rd International Symposium of the Chemistry of Natural Products, Florence, Italy 28 July-2 August **2002**. Abstract Book P73.
- Gasch, C., Salameh, B. A. B., Pradera, M. A., Fernández de Córdoba, F. J., Fuentes, J.: "*Isothiocyanato sugar derivatives in the synthesis of N-, C- and spironucleosides*". II Iberian Carbohydrate Meeting, Ronda (Málaga, Spain). **2002**. Book of Abstracts P59.
- Fuentes, J., Salameh, B. A. B., Gasch, C., Pradera, M. A.: "*Stereocontrolled synthesis of spironucleosides from sugar derived isothiocyanates*". COST Chemistry Action D13. Sevilla (Spain). Book of Abstract OC-1. **2002**
- Consolación Gasch, Bader A. B. Salameh, M. Angeles Pradera, José Fuentes, "*A general synthetic approach to N-glycosyl (Alkyl, Aryl) thiopyridone spironucleosides*", 11<sup>th</sup> European Carbohydrate Symposium, Lisbon / Portugal 2-7 September **2001**. Book of abstracts. pp. 145
- M. Angeles Pradera, Consolación Gasch, Bader A. B. Salameh, José L. Molina, José Fuentes, "*Isotiocianatoazúcares en la síntesis de espiro-nucleósidos*", V Jornada de Carbohidratos, Badjoz / Spain 28-30 June **2000**. Libro de Resúmenes. pp. 37
- Consolación Gasch, Bader Salameh, M. Ángeles Pradera, José Fuentes, "*Spiro- and N-nucleosides of chiral Imidazolidines from sugar isothiocyanates*", 1<sup>st</sup> Iberian Carbohydrate Meeting, Aveiro / Portugal 19-23 September **1999**.
- Consolación Gasch, Bader Salameh, M. Ángeles Pradera, José Fuentes, "*Spiro- and N-nucleosides of chiral Imidazolidines from sugar isothiocyanates*", 10<sup>th</sup> European Carbohydrate Symposium, Galway / Ireland, 11-16 July **1999**.

## Oral Communications in International Conferences:

- J. Fuentes, **B.A.B. Salameh**, C. Gasch and M. A. Pradera, "*Stereocontrolled synthesis of spironucleosides from sugar derived isothiocyanates*", Carmona preconference on glycomimetics, COST Chemistry Action D13, Sevilla/ Spain, 11 June **2002**.

## Attended Conferences:

- *Organic Synthesis at Large Scale*, Medicon Village, Lund- Sweden, April **2013**.
- *11<sup>th</sup> Eurasia Conference on Chemical Sciences*, the Dead Sea – Jordan, 6-10 October **2010**.
- *6<sup>th</sup> Annual GLIBS (Glycoconjugates in Biological Systems) meeting*, Stockholm/ Sweden, 4-6 September **2003**.
- *12<sup>th</sup> European Carbohydrate Symposium*, Grenoble / France 6-11 July **2003**.
- *1<sup>st</sup> LMC Symposium*, Lund/ Sweden, 24-25 April **2003**.
- XIX Reunión Bial de Química Orgánica, Carmona (Sevilla) / Spain, 11-14 June **2002**.
- *Carmona preconference on glycomimetics, COST Chemistry Action D13*, Sevilla/ Spain, 11 June **2002**.
- *V Jornada de Carbohidratos*, Badjoz / Spain 28-30 June **2000**.

- *3<sup>rd</sup> International meeting of the Portuguese carbohydrate chemistry, 1<sup>st</sup> Iberian carbohydrate meeting, Aveiro / Portugal, 19-23 September 1999*