

Curriculum Vitae

Personal information:

Name: Soad Abdel Latief Hassan Bayoumi
Birth date/place: October, 20, 1974 / Assiut, Egypt
Marital status: Widow, three children
Nationality: Egyptian
Current position: Professor
Current address: Dept. of Pharmacognosy
Assiut University, Assiut, Egypt
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Hirsch Coefficient (h-Index) = 9 according to (Scopus) for the year 2024.

Registration has been made in various well-known international research sites, as follows:

- **Scopus:** <https://www.scopus.com/authid/detail.uri?authorId=56634878300>
- **GoogleScholar:** <https://scholar.google.com/citations?hl=en&user=xzII3NIAAAAJ>
- **Research gate:** <https://www.researchgate.net/profile/Soad-Bayoumi>
- **Publons:** <https://publons.com/researcher/4458793/soad-bayoumi>

Education:

1. B.Sc. in Pharmaceutical Sciences in 1997
2. M.Sc. in Pharmaceutical Sciences (Pharmacognosy) on 30/3/2003 the subject of the thesis in “Pharmacognostical study of *Prosopis juliflora* (SW) DC (Fam. Leguminosae) cultivated in Assiut region”
3. PhD in Pharmaceutical Sciences on 26/11/2008 the subject of the thesis in “Molecular and genetic analysis of secondary metabolite biosynthesis in cassava as an economic and nutritious plant” University of Bath, Bath, UK

Work experience:

1. Demonstrator (October 1997 to March 2003)
2. Assistant lecturer (April 2004 to January 2005)
3. Lecturer (February 2009)
4. Assistant Professor (September 2016)
5. Professor (2022)
6. Director of Information Technology unit ‘Faculty of Pharmacy ‘Assiut University (May 2016)
7. Head of Department of Pharmacognosy ‘Faculty of Pharmacy ‘Assiut University (December 2020)

Publications:

1. Macro and micro morphological studies of the stem, leaf, and inflorescence of *Prosopis juliflora* (SW) DC cultivated in Egypt.
A.M. El Moghazy, O. El Towessy, S.A. El Moghazy and **S.A. Bayoumi**, Bull. Pharm. Sci., Assiut University 23 (1), 2000.
2. Abstract of an oral entitled: “Secondary metabolite production and genetic analysis in cassava”
Soad A. L. Bayoumi, Michael G. Rowan, Ian S. Blagbrough, and John R Beeching*
Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
*Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.

prsisb@bath.ac.uk, bssjrb@bath.ac.uk

The Young Scientists Symposium "Future trends in phytochemistry" Olomouc, 27th June to 1st July 2006

3. Abstract of a poster entitled: "Phytochemical analysis of cassava roots during post-harvest physiological deterioration"

Soad A. L. Bayoumi, Michael G. Rowan, Ian S. Blagbrough, and John R Beeching*
Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
*Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
prsisb@bath.ac.uk, bssjrb@bath.ac.uk

The 50 years of the phytochemical society of Europe "Highlights in the evolution of phytochemistry" Cambridge, 11th to 14th April 2007

4. Abstract of an oral entitled: "A molecular and genetic search for coumarin glucosyltransferases in cassava roots"

Soad A. L. Bayoumi, Michael G. Rowan, Ian S. Blagbrough, and John R Beeching*
Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
*Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
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The Young Scientists Symposium "Future trends in phytochemistry" Gargnano, 6th to 9th June 2007

5. Abstract of an oral entitled: "Biosynthesis of scopoletin and scopolin in cassava roots during post-harvest physiological deterioration"

Soad A. L. Bayoumi, Michael G. Rowan, Ian S. Blagbrough, and John R Beeching*
Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
*Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
prsisb@bath.ac.uk, bssjrb@bath.ac.uk

The PSE Young Scientists' Meeting Future trends in phytochemistry Compounds – Enzymes - Genes Bad Herrenalb, 26th to 29th March 2008

6. Abstract of an oral entitled: "Isotopic labelling studies on the scopoletin biosynthetic pathways in cassava roots during post-harvest physiological deterioration"

Soad A. L. Bayoumi, Michael G. Rowan, Ian S. Blagbrough, and John R Beeching*
Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
*Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
prsisb@bath.ac.uk, bssjrb@bath.ac.uk

The RSC: Bioorganic Chemistry and Chemical Biology Bath, 31st March 2008

7. Abstract of an oral entitled: "Investigation of scopoletin biosynthesis during post-harvest physiological deterioration in cassava roots using stable isotopic labelling"

Soad A. L. Bayoumi, Michael G. Rowan, Ian S. Blagbrough, and John R Beeching*
Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
*Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
prsisb@bath.ac.uk, bssjrb@bath.ac.uk

The BPC Pharmacy in the 1st century – Adding years to life and life to years Manchester, 7th-9th September 2008

8. Biosynthesis of scopoletin and scopolin in cassava roots during post-harvest physiological deterioration: The *E-Z*-isomerisation stage

Soad A. L. Bayoumi, Michael G. Rowan, John R Beeching *, and Ian S. Blagbrough
Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
*Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
Phytochemistry 69 (2008) 2928-2936

9. Investigation of biosynthetic pathways to hydroxycoumarins during post-harvest physiological deterioration in cassava roots by using stable isotopic labelling”
Soad A. L. Bayoumi, Michael G. Rowan, John R Beeching *, and Ian S. Blagbrough
 Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
 *Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
 ChemBioChem 9 (2008) 3013-3022
10. Constituents and secondary metabolite natural products in fresh and deteriorated cassava roots
Soad A. L. Bayoumi, Michael G. Rowan, John R Beeching *, and Ian S. Blagbrough
 Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
 *Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
 Phytochemistry 71 (2010) 598-604
11. Cassava: an appraisal of its phytochemistry and its biotechnological prospects
 Ian S. Blagbrough, **Soad A. L. Bayoumi**, Michael G. Rowan, John R Beeching *
 Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY, and
 *Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
 Phytochemistry 71 (2010) 1940-1951
12. Abstract of an oral entitled: Genetic and molecular analysis of hydroxycoumarins biosynthesis
Soad A. L. Bayoumi, Michael G. Rowan*, Ian S. Blagbrough*, and John R Beeching**
 Department of Pharmacognosy, Faculty of Pharmacy, Assiut University, Assiut, Egypt
 *Department of Pharmacy and Pharmacology, University of Bath, Bath BA2 7AY,
 **Department of Biology and Biochemistry, University of Bath, Bath BA2 7AY, U.K.
 Assiut University 7th international pharmaceutical sciences conference, March 2010
13. Benzophenone C-glucosides and gallotannins from mango tree stem bark with broad-spectrum anti-viral activity
 Abdel-Mageed, Wael M.; **Bayoumi, Soad A. H.**; Chen, Caixia; et al.
 Bioorganic & medicinal chemistry 22 (2014) 2236-2243
14. New Glycosides and Trypanocidal Metabolites from *Vangueria edulis*.
 Mohamed SM, Khaled M, Elokely KM, Bachkeet EY, **Bayoumi SA**, Klein VM, Cutlera SJ, Ross SA
 Natural Product Communications 10 (2015) 1897-1900
15. Potent antitrypanosomal triterpenoid saponins from *Mussaenda luteola*.
 Mohamed SM, Bachkeet EY, **Bayoumi SA**, Cutler SJ, Ross SA
 Fitoterapia 107 (2015) 114–121
16. Macro-and micromorphology of the leaves, stem bark and flowers of *Punica granatum* L. var. *nana* cultivated in Egypt..
 El-Moghazy AM, Khalifa AA, **Bayoumi SAL**, Sayed HMB
 Bull. Pharm. Sci. Assiut University 38 (2016) 99-125
17. New cycloartane saponin and monoterpenoid glucoindole alkaloids from *Mussaenda luteola*.
 Mohamed SM, Backheet EY, **Bayoumi SA**, Ross SA
 Fitoterapia 110 (2016) 129-134
18. Non-Cyanogenic cyanoglucoside cyclooxygenase inhibitors from *Simmondsia chinensis*
 Abdel-Mageed WM, **Bayoumi SA**, Al-wahaibi L, Li L, Sayed H, Abdelkader M, El Gamal AA, Liu M, Zhang J, Liu X, Zhang L
 Organic Letters 18 (2016) 1728–1731

19. Chemical composition and efficacy of some selected plant oils against *Pediculus humanus capitis* in vitro
Yones DA, Bakir HA, **Bayoumi SAL**
Parasitology Research 115 (2016) 3209-3218
20. Comparative Evaluation of Anthelmintic Activity of Edible and Ornamental Pomegranate Ethanolic Extracts against *Schistosoma mansoni*
Doaa A. Yones, Dalia M. Badary, Hesham M. B. Sayed, **Soad A. L. Bayoumi**, Azza A. Khalifa, and Ahmed M. El-Moghazy
Biomed Research International 2016 (2016) <https://doi.org/10.1155/2016/2872708>
21. Simultaneous isolation of gallotannins and a related phenolic from *Mangifera indica* kernels and assessment of their anti-Trichomonas vaginalis activities
Mohamed AA Orabi, **Soad AL Bayoumi**, Hanaa M Sayed, Enas AM Huseein, Amgad IM Khedr, Tsutomu Hatano
Journal of Applied Pharmaceutical Science 10 (2020) 022-038.
22. Promising selective MAO-B inhibition by sesamin, a lignan from *Zanthoxylum flavum* stems
Shaymaa M Mohamed, Narayan D Chaurasiya, Nesma M Mohamed, **Soad AL Bayoumi**, Babu L Tekwani, Samir A Ross
Saudi Pharmaceutical Journal 28 (2020) 409-413.
23. The Potential Efficacy of Stevia Extract, Glimepiride and Their Combination in Treating Diabetic Rats: A Novel Strategy in Therapy of Type 2 Diabetes Mellitus
Abdel-Azim Assi, Doaa H. Abd El-hamid, Mahran S. Abdel-Rahman, Esraa E Ashry, **Soad AI Bayoumi** and Asmaa Mahmoud Ahmed
Egyptian Journal of Basic and Clinical Pharmacology 10 (2020)
24. Alternative staining of *Fasciola gigantica* using natural herbal dyes
Marwa E. Aly; Ahmed K. Dyab; Doaa A. Yones; Yasser M. Mohamed; **Soad A. Bayoumi**; Nahed A. Elossily.
Journal of the Egyptian Society of Parasitology, 50, 1, 2020, 127-134. doi: 10.21608/jesp.2020.88809
25. Effect of stevia aqueous extract on the antidiabetic activity of saxagliptin in diabetic rats.
Raafat A Abdel-Aal, Mahran S Abdel-Rahman, **Soad Al Bayoumi**, Laila A Ali
Journal of Ethnopharmacology 265 (2021) 113188, doi: 10.1016/j.jep.2020.113188.
26. The inhibition of inducible nitric oxide production in lipopolysaccharide-stimulated rat macrophages and in silico studies by flavonoids from *Iris spuria* L. rhizomes
Iman S.A. Khallaf, **Soad A.L. Bayoumi**, Lourin G. Malak, Abeer M.R. Hussein, Anber F. Mohammed, Mohamed A. El-Mokhtar, Salwa F. Farag
Journal of Ethnopharmacology 278 (2021) 114311, <https://doi.org/10.1016/j.jep.2021.114311>.
27. Natural coumarins as potential anti-SARS-CoV-2 agents supported by docking analysis, Usama Ramadan Abdelmohsen, Amgad Albohy, Basma S. Abdulrazik, **Soad A. L. Bayoumi**, Lourin G. Malak, Iman S. A. Khallaf, Gerhard Bringmann and Salwa F. Farag, 2021 RSC Advances, 11 (2021), 16970-16979. DOI: 10.1039/d1ra01989a.
28. Evaluation of antimicrobial and synergistic effects of some medicinal plant extracts on antimicrobial resistant organisms

Aliaa Ghandour; Mona Abdel-Rahim; **Soad A. L. Bayoumi**; Hanaa M. Sayed; Omnia El-Badawy.

Microbes and Infectious Diseases, 2, 4, (2021), 807-818. doi: 10.21608/mid.2021.91702.1184

29. Monitoring of the hypotensive effect of *Hibiscus sabdariffa* extract using different extraction conditions

Nesma M Mohamed; Amany S Ahmed; Peter Alfay Shokry; **Soad AL Bayoumi**

Sphinx Journal of Pharmaceutical and Medical Sciences, 1, 1, (2021), 55-60.

doi: 10.21608/sjpms.2021.190421

30. Botanical study and fatty acids characterization of the leaves of *Dyopsis pambana* (HE MOORE) BEENTJE & J. DRANSF. Family Arecaceae cultivated in Egypt

Ahmed, Mohamed, Afaf Abdel-Baky, Enaam Backheet, and Soad Bayoumi.

Bulletin of Pharmaceutical Sciences. Assiut (2021).

31. Selective Cytotoxic Constituents from *Gardenia latifolia* and Their In Silico Topoisomerase II α Inhibition

Asmaa M. Selim, **Soad A. L. Bayoumi**, Anber F. Mohammed, Enaam Y. Backheet, Shaymaa M. Mohamed.

Current Bioactive Compounds (2022) [doi: 10.2174/1573407218666220304094123]

32. The Inhibitory Effect of Doum Palm (*Hyphaene thebaica* L. Mart.) Leaves Extract on α -Glucosidase Activity

Iman S. A. Khallaf, Rofida Wahman, Hanan S. M. Farghaly, **Soad A. L. Bayoumi**. Bulletin of Pharmaceutical Sciences, Assiut (2022) [doi: 10.21608/BFSA.2022.122826.1295]

33. Amoebicidal effect of *Allium cepa* against *Allovalkampa sp.*: A keratitis model
Hanan E.M. Eldeek, Haiam Mohamed Mahmoud Farrag, Mohammed Essa Marghany Tolba, Heba E.M. El-Deek, Marwa Omar Ali, Zedan Z. Ibraheim, Soad A.L. Bayoumi, Ebtisam Shawky Ahmed Hassanin, Samia S. Alkhalil, Enas Abd El Hameed Mahmoud Huseein, Saudi Pharmaceutical Journal, (2022), 30, 8, 1120-1136 [<https://doi.org/10.1016/j.jsps.2022.06.005>]

34. CHARACTERIZATION OF THE LEAVES OF DYOPSIS PEMBANA (H.E. MOORE) BEENTJE & J. DRANSF. FAMILY ARECACEAE CULTIVATED IN EGYPT, Mohamed Salah Abdelrahim; Afaf Mohamed Abdel-Baky; Enaam Younis Backheet; **Soad Abdel Latief Bayoumi**. "BOTANICAL STUDY AND FATTY ACIDS ". Bulletin of Pharmaceutical Sciences Assiut University, (2022) 45, 1, 99-118. [doi: 10.21608/bfsa.2022.239248]

35. Naturally occurring phenylethanoids and phenylpropanoids: antimalarial potential, Abdelmohsen, U. R., **Bayoumi, S. A.**, Mohamed, N. M., Mostafa, Y. A., Ngwa, C. J., Pradel, G., & Farag, S. F. (2023). *RSC advances*, 13(38), 26804-26811. [<https://doi.org/10.1039/D3RA04242A>]

36. Cytotoxic flavone-C-glycosides from the leaves of *Dyopsis pambana* (HE Moore) Beentje & J. Dransf., Arecaceae: in vitro and molecular docking studies. _Abdelrahim, M. S., Abdel-Baky, A. M., **Bayoumi, S. A.**, Mohamed, S. M., Abdel-Mageed, W. M., & Backheet, E. Y. (2023) *BMC Complementary Medicine and Therapies*, 23(1), 214. [<https://doi.org/10.1186/s12906-023-04046-0>]

37. The effect of Essential oils of selected plants on clinical isolates of *Candida* Species growth, transition and biofilm formation. Amen, A. G., Hassan, E. A., Elgendy, S. G.,

Bayoumi, S. A., Abdel Hameed, M. R., & Abd-Alrahman, E. A. (2023). *Bulletin of Pharmaceutical Sciences Assiut University*, 46(2), 1209-1232. [https://dx.doi.org/10.21608/bfsa.2023.327651]

38. Exploring the efficacy of various wheat bran extracts in promoting burn wound healing: A comparative analysis Mai A.M. Ahmed, Marwa F. Ali, Nesma M. Mohamed, Soad A.L. Bayoumi, Asmaa M. Zahran, Khalid I. Elsayh, *Journal of Ethnopharmacology*, (2024) 319, Part 1, 117174, [https://doi.org/10.1016/j.jep.2023.117174].
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Conference Attendance:

1. Assiut University first, second, and fourth annual conferences on pharmacology and therapeutics: 9th November 1997, 8th –9th March 2000, 6th-7th March 2004
2. Cell culture techniques and their application in molecular biology, 15th –17th March 2004.
3. Quality assurance of herbal medicinal products course, University of Bath 6th-8th April 2005.
4. RSC Symposium: The chemistry and biology of natural product biosynthesis, in the School of Chemistry, University of Bristol, 15th June 2005.
5. RSC Bio-organic subject group Postgraduate meeting, School of Chemistry, University of Southampton, 14th December 2005.
6. Natural products as potential medicines, University of Durham, 16th January 2006.
7. Quality assurance of herbal medicinal products advanced course at the University of Bath on 17th-19th of September 2006.
8. The Young Scientists Symposium “Future trends in phytochemistry” organised by the Phytochemical Society of Europe (PSE) and the Palacký University Olomouc, 27th June to 1st July 2006
9. The 50 years of the phytochemical society of Europe “Highlights in the evolution of phytochemistry, 11th to 14th April 2007
10. The Young Scientists Symposium “Future trends in phytochemistry” organised by the Phytochemical Society of Europe (PSE) and the Phytochemical Society of Italy Gargnano, 6th to 9th June 2007
11. The PSE Young Scientists’ Meeting Future trends in phytochemistry Compounds – Enzymes - Genes Bad Herrenalb, 26th to 29th March 2008
12. The RSC: Bioorganic Chemistry and Chemical Biology Bath, 31st March 2008
13. The BPC Pharmacy in the 1st century – Adding years to life and life to years Manchester, 7th-9th September 2008
14. Assiut University 7th international pharmaceutical sciences conference, March 2010
15. Assiut University 8th international pharmaceutical sciences conference, March 2012
16. Assiut University 9th international pharmaceutical sciences conference, March 2014
17. The 17th workshop organized by the Assiut University Mycological centre "The Biodiversity of Fungi Involved in the Biological Control of Plant Diseases and Pests, March 2014
18. Assiut University 10th international pharmaceutical sciences conference, April 2016
19. Assiut University 11th international pharmaceutical sciences conference, April 2018
20. Assiut University 12th international pharmaceutical sciences conference, November 2020
21. Assiut University 13th international pharmaceutical sciences conference, November 2023