أ. د. فتحي شاكر الأشهب

السيرة الذاتية الموجزة (2020) والمنشورات

الإتصال

عنوان العمل

جامعة بنغازي، كلية العلوم، قسم الكيمياء

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الموقع الإلكتروني

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عنوان السكن

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موبيل

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اللغات

العربية (أ)، الإنجليزية (ب), اليونانية (ج)

الخلفية

التعليم الجامعي

دكتوراة قي الكيمياء الفزيائية
من جامعة ايرلندا الوطنية، بدبلن
ماجستير قي الكيمياء الفزيائية
من جامعة هيريت – وات، بادنبرة
دبلوم التحليل الكيميائي
من جامعة القاهرة، بالقاهرة
بكالوريوس العلوم الكيميائية
من جامعة القاهرة، بالقاهرة

التعليم المدرسي

مدرستي الأمير وشهداء يناير، ببنغازي

الموروث الثقافي

الفنون الجميلة، الموسيقى الخفيفة، الفيلسوفان راسل وبيريز

الملخص الأكاديمي

خبرتي في الكيمياء الفزيائية تشمل الديناميك الكيميائي، والبوليمرات في المحاليل، وتقنية التشعيع.

ابحاثي اجريها مع بروف لبنى شيحا، والدكتور عبد السلام السحاتي، في مجال الكيمياء الفزيائية البيولوجية، وتحديدا في موضوع التفصيل الإشعاعي لبوليمرات السكر في المحاليل.

ملف خدمتي يتضمن رئاسة كل من هيئات التحرير وشعبة الكيمياء الفزيائية وقسم الكيمياء.

الإنجاز الوظيفي

التدريس

- تدريس وتطوير مقررات الكيمياء الفيزيائية
- مؤلف لستة كتب تدريسية عربية

البحث العلمي

- الإشراف على 21 رسالة ماجستير
- نشر 21 ورقة بحثية في مجال اهتمامي البحثي
- نشر 5 ورقات بحثية في مجالات بحثية اخرى
- محرر 5 منتديات علمية
- مؤسس مركز ابحاث الكيمياء الفزيائية بالقسم

الخدمة الإدارية

- تطوير البرامج الأكادمية لقسم الكيمياء
- تأسيس ورئاسة تحرير اول مجلة علمية لكلية العلوم
- تأسيس ورئاسة تحرير منتديات كلية العلوم
- انشاء منصب الموجه الأكاديمي لشعب الكيمياء ا
- تأسيس هيئة بروفيسورات قسم الكيمياء
- تأسيس دبلوم اكيمياء التقنية ومختبرها
- تأسيس قسم الكيمياء الإلكتروني والإشراف عليه

Prof Fathi Elashhab

Resume (Concise CV) 2020 & Publications

Contact

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Background

College Education
Ph. D. Phys. Chem., UCD
M.Sc. Phys. Chem., H-W
Dep. Chem. Analysis, Cairo
B.Sc. Chem., Cairo
Benghazi Schools
Alamier & Shuhada ynaier
Intellectual Heritage
Fin art, light music, The philosophies: Russell & Peirce

Academic Summary

I am a physical chemist with broad knowledge of chemical dynamics, polymers in solution, and irradiation technology. I am doing my research in collaboration with my colleagues Prof. L. Sheha and Dr. A. Youssef. Our research lies in the area of biophysical chemistry: we are interested in tailoring polysaccharides in solution by irradiation to the applicants. My file service includes the chairmanship of editorial boards, physical chemistry section, and chemistry department.

Career Highlights

Teaching
• Developed and taught physical chemistry courses
• Author of 6 Arabic teaching books
Research
• Founder of Benghazi Research Center for Physical Chemistry
• Supervised twenty one MSc dissertations
•Twenty one published articles in present area of research
• Five published articles in other different areas
• proceeding editor of five symposium and conference
Service
• Directed of the academic chemistry programs
• Founder & editor-in-chief of Journal of Science & its Applications
• Founder of GSF Symposia & chairman of their scientific committees.
• Head of the chemistry department (4 times)
• Academic director of the physical chemistry section
• Founder of the chemistry professorship board
• Founder & supervisor of the electronic chemistry department

Prof Fathi Elashhab

Forty peer reviewed publications-Jan 2020

Biophysical Chemistry: Tailoring irradiated polysaccharides in solution

21. **Elashhab F**, Sheha L, Tahani A, Youssef A. Elsupikhe FR. Nanoscaled Polysaccharides in Solution: Scaling Laws of Hyaluronan. Nano Tech Appl. 2019; 2 (1), 1-4.

20. **Elashhab F**, Sheha L, Youssef A, Khalaf H, Salam M. Gamma modification of polysaccharides: controlling of pullulan molar masses. JOPAS. 2018; 17(1): 284-288.

19. **Elashhab F**, Sheha L, Abo-Eisa H, Tluba N, Elzawi N, Youssef AEA. UV-modification of iota-carrageenan in salt solution: thermodynamic parameters of activation. In: Elabbar FA, Eltaboni FB, editors. The role of chemistry in applied research and sustainable development. Proceedings of the 2nd Libyan Conference of Chemistry and Its Applications (LCC-2): 2017 May 9-11; Medical Faculties Compound. Benghazi: Benghazi University Press; 2017. p. 59-61.

18. **Elashhab F**, Sheha L, Al-mgbree S. Microwave modification of amylose polysaccharide: prediction of the scaling laws in alkaline solution. In: Elabbar FA, Eltaboni FB, editors. The role of chemistry in applied research and sustainable development. Proceedings of the 2nd Libyan Conference of Chemistry and Its Applications (LCC-2): 2017 May 9-11; Medical Faculties Compound. Benghazi: Benghazi University Press; 2017. p. 62-66.

17. **Elashhab F**, Sheha L, Alfazani T. UV modification of hyaluronan polysaccharide: the polyelectrolyte behavior in solution. In: Elabbar FA, Eltaboni FB, editors. The role of chemistry in applied research and sustainable development. Proceedings of the 2nd Libyan Conference of Chemistry and Its Applications (LCC-2): 2017 May 9-11; Medical Faculties Compound. Benghazi: Benghazi University Press; 2017. p. 67-70.

16. **EL-Ashhab F**, Sheha L, El-Zawi N, EL-Hashani A, El-Dali A, Eltaboni F, Youssef AEA, Tluba NA. Solution characteristics of microwave degraded iota-carrageenan. In: Proceedings of the First International Conference in Basic Science and Their Applications: 2014 October 29- November 1. Science Faculty Building. Al-Bayda: OMU Publisher; 2015. p. 85-94.

15. **EL-Ashhab F**, Sheha L, Abdalkhalek M, Khalaf HA. The influence of gamma irradiation on the intrinsic properties of cellulose acetate polymers. J Assn Arab Univ Basic Appl Sci. 2013; 14(1): 46–50.

14. **EL-Ashhab F**, Sheha L, EL-Hashani A, EL-Gzafi R, EL- Taboni E, EL-Supakhi R, Abo-Eisa H, EL-Hag M. Effect of UV-radiation on viscosimetric and conductometric properties of chitosan solution. J Sci App. 2010; 4(1):93-101.

13. **EL-Ashhab F**, Sheha L, EL-Hashani A, Abdalkhalek M. A sample manuscript: mass and volume of cellulose acetate solution before and after gamma irradiation. J Sci App. 2009; 3(1): vii-xii.

12. **EL-Ashhab F**, Sheha L, EL-Supakhi R, El-Gzafi R, Abo-Eisa HM, EL-Taboni E. Polyelectrolytic behavior of chitosan in dilute solution before and after gamma irradiation. In: EL-Ashhab F, editor. Resent advances in chemistry and their applications. Proceedings of the 10th International Chemistry Conference and Exhibition in Africa: 2007 November 18-21. Science Faculty Building. Benghazi: Garyounis University press; 2009. p. 326-335.

11. **EL-Ashhab F**, Sheha L, Abo-Eisa H. Polyelectrolytic behavior of photodegradable xanthan solutions: part ii-conductivity change in aqueous solution. J Sci App. 2008; 2(1):77-82.

10. **EL-Ashhab F**, Sheha L, EL-Taboni E. Polarizability change in photodegradable MC aqueous solution. J Sci App. 2007; 1(2):102-107.

9. **EL-Ashhab F**, Sheha L, EL-Dali A, Abo-Eisa H. Viscosity changes and unperturbed dimensions of gamma degradable HEC in aqueous solution. AL-Nawah. 2007; 7(9):80-90.

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6. **EL-Ashhab F**, Sheha L, EL-Taboni E. Chain dimensions of aqueous methylcellulose in moderate concentration domain before and after photodegradation. In: EL-Ashhab F, Mami AM, editors. Science and its applications. Proceedings of the Third GSF Symposium: 2006 June 3-4. Science Faculty Building. Benghazi: Garyounis University Publications; 2007. p. 268-277.

5. **EL-Ashhab F**, Sheha L, Sheltami RM, Feituri ZM. Viscous behavior of dilute CMC salt solution before and after photodegradation. Qatar University Science Journal. 2006; 26:23-30.

4. **EL-Ashhab F**, Sheha L, EL-Dali A, Abdel Salam AE, Zubeir O, EL-Taboni E. Viscous behavior of aqueous hydroxylethylcellulose in moderate concentration domain before and after gamma irradiation. In: EL-Ashhab F, Mami AM, editors. New trends in science and their applications. Proceedings of the Second GSF Symposium: 2005 June 1-2. Science Faculty Building. Benghazi: Garyounis University Publications; 2006. p. 284-291.

3. **EL-Ashhab F**, Sheha L, EL-Griany N, Abo- Eisa H. Effect of gamma radiation on the cohesive properties of xanthan gum in dilute aqueous salt solution. In: EL-Ashhab F, Mami AM, editors. New trends in science and their applications. Proceedings of the Second GSF Symposium: 2005 June 1-2. Science Faculty Building. Benghazi: Garyounis University Publications; 2006. p. 243-249.

2. **EL-Ashhab F**, Sheha L, Sheltami R, Feituri Z. Degree of ionization for carboxymethylcellulose before and after UV-irradiation. In: EL-Ashhab F, Mami AM, editors. New trends in science and their applications. Proceedings of the Second GSF Symposium: 2005 June 1-2. Science Faculty Building. Benghazi: Garyounis University Publications; 2006. p. 211-216.

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Miscellaneous

5. Mansour AMA, **EL-Ashhab FS**, EL-Sheibani OM. Effect of some physical factors on lipase production by some selected fungi. J Pod dev. 2009; 14(3):673- 681.

4. **EL-Ashhab F,** Sheha L, Saeed AA, EL-Hashani AM, Muhammed HF, Eid, AE. Determination of the rate constants of non-catalytic and catalytic iodination of acetone by electrochemical methods. Egypt J App Sci. 2002; 7(11):446-453.

3. Saeed AA, **EL-Ashhab FS**, Mohammed HF, Sheha L. New charge acceptors in the charge-transfer processes. Egypt J App Sci. 2002; 45(3):527-538.

2. **EL-Ashhab F**, Sharma S. Study of dissociative charge transfer reactions. In: S.K. Mitra. Editor. Fifth National Workshop on Atomic and Molecular Physics: TIFR. Bombay; 1984.

1. Parker JE, **EL-Ashhab FSM**. Charge-transfer reactions of carbon tetra fluoride. Int J Mass Spectrom Ion Phys. 1983; 47(February):159- 162.

Editorship

6. **EL-Ashhab F**, chief editor. Journal of Science and Its Applications; Benghazi: Garyounis University Publications; 2005-2011.

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4. **EL-Ashhab F,** Mami AM, editors. Third GSF Symposium: Science and its Applications. Benghazi: Garyounis University Publications; 2007.

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2. **EL-Ashhab F,** editor. Faculty of science e-catalogue (in Arabic). Benghazi: Garyounis University Publications; 2006.

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Textbooks

6. **EL-Ashhab F**, Sheha L, Najm T, EL-Saedi S, EL-Rabehi H, El-Mehdawe A. Foundations and experiments in physical chemistry (in Arabic). Benghazi: Garyounis University Publications; 2008.

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1. Alian A, EL-Hossady A, **EL-Ashhab F**. Chemistry and physics of pollutants (in Arabic). Benghazi: Garyounis University Publications; 1994.

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2. **EL-Ashhab F**. Ph. D. Thesis: Primary processes in the laser flash photolysis of gaseous aldehydes. Dublin: NUI/UCD; 1989.

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