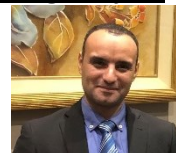


OSAMA YOUNIS

Applied & Organic Chemistry

**CV Summary in Arabic****ملخص السيرة الذاتية باللغة العربية**

- ✓ (2000-2004) بكالوريوس العلوم (كيمياء) من جامعة أسيوط، مصر.
- ✓ (2007-2012) ماجستير في العلوم (كيمياء عضوية) من جامعة أسيوط، مصر.
- ✓ (2013-2016) دكتوراه في الكيمياء العضوية التطبيقية (البوليمرات العضوية المشعة ضوئياً) من جامعة ريتسوميكان، اليابان.
- ✓ (2016-2021) زميل ما بعد الدكتوراه، جامعة ريتسوميكان، اليابان.
- ✓ (2006-الآن) من معيد ثم مدرس مساعد ثم أستاذ مساعد وحالياً أستاذاً مشاركاً بقسم الكيمياء، كلية العلوم، جامعة الوادي الجديد، مصر.
- ✓ المنشورات: (براءة اختراع يابانية + 28 بحث في مجلات عالمية محكمة).
- ✓ 32 مؤتمر ومحاضرة مدعوة (27 منهم في اليابان).
- ✓ 5 جوائز (3 منهم في اليابان).
- ✓ 4 منح وزمالات (جميعهم في اليابان).
- ✓ 3 مشاريع ممولة (2 منهم في اليابان).
- ✓ مشرف على طالبين دكتوراه و 6 طلاب ماجستير.
- ✓ محكم لـ 19 بحث في مجلات عالمية.
- ✓ المشرف التنفيذي لمركز العلاقات الدولية لجامعة الوادي الجديد، مصر.
- ✓ رئيس فريق "البحث العلمي والأنشطة العلمية" بوحدة ضمان الجودة، كلية العلوم، جامعة الوادي الجديد، مصر.
- ✓ المدير الفني لـ "معمل التحاليل البيئية" بكلية العلوم، جامعة الوادي الجديد، مصر.

CV Summary in English**ملخص السيرة الذاتية باللغة الإنجليزية**

- (2000-2004) Bachelor of Science (Chemistry) from Assiut University, Egypt.
- (2007-2012) Master of Science (Synthetic Organic Chemistry) from Assiut University, Egypt.
- (2013-2016) Ph.D. (Applied Organic Chemistry "Photoluminescent Polymer Materials") from Ritsumeikan University, Japan.
- (2016-2021) Post-Doctoral Fellow, Ritsumeikan University, Japan.
- (2006-Current): From Assistant Lecturer then Assistant Professor, and currently Associate Professor at the Chemistry Department, Faculty of Science, New Valley University, Egypt.
- Publications: (Japanese Patent + 28 Original Papers in peer-reviewed International Journals).
- 32 Conferences and Invited Lectures (27 in Japan).
- 5 Awards (3 in Japan).
- 4 Scholarships & Fellowships (all in Japan).
- 3 Funded projects (2 in Japan).
- Supervisor on two doctoral students and 6 master students.
- As a reviewer for 19 manuscripts in international journals.
- Executive Supervisor of the international relations center at New Valley University, Egypt.
- Head of the team of "Scientific Research and Activities", Quality Assurance Unit, Faculty of Science, New Valley University, Egypt.

- Technical Director of the "Environmental Analysis Laboratory", Faculty of Science, New Valley University, Egypt.

Personal Information

البيانات الشخصية

- Full name: Osama Mohamed Younis Abdelmottaleb.
- Associate Professor; Organic Chemistry, Chemistry Department, Faculty of Science, New Valley University, El-Kharga, 72511, Egypt.
- Mailing address: Borg El-Hamd, Metwally El-Shaarawy St., El-Moalemeen, Assiut, 71121, Egypt.
- Nationality: Egyptian.
- Date of birth: November 7th, 1983.
- Mobile Phone number: +201551444008.
- E-mails: osamayounis@sci.nvu.edu.eg, osamayounis2006@yahoo.com
- Web of Science: <https://www.webofscience.com/wos/author/record/2053983>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56895927200>
- ORCID: <https://orcid.org/0000-0001-9822-0228>
- Google Scholar: <https://scholar.google.co.jp/citations?user=Qdy0elMAAAAJ&hl=en>
- ResearchGate: https://www.researchgate.net/profile/Osama_Younis2
- New Valley University: http://nvu.edu.eg/membercv.php?M_ID=3892

Education

التعليم

1. 9/2000 – 25/7/2004; B.Sc. (Bachelor of Science); Chemistry; Donor: Chemistry Department, Faculty of Science, Assiut University, Egypt; General Estimate: Very good with honor.
2. 10/2006 – 10/2007; Pre-Master Courses; Advanced Organic Chemistry; Chemistry Department, Faculty of Science, Assiut University, Egypt; General Estimate: Very Good.
3. 10/2007 – 26/6/2012; M.Sc. (Master of Science); Organic Chemistry; Thesis Title “Synthesis of Bis-Heterocyclic Compounds from Quinones and Quinone Diels-Alder Adducts”; Supervisor: Prof. Ahmed Hammam; Chemistry Department, Faculty of Science, Assiut University, Egypt.
4. 26/9/2013 – 25/9/2016; Ph.D. (Doctoral Degree in Science); Applied Organic Chemistry; Thesis Title “Photoluminescence Behavior of Low-Molecular-Weight and Polymer Materials Containing Gold(I) Complexes as Luminophore”; Supervisor: Prof. Osamu Tsutsumi; Department of Applied Chemistry, Graduate School of Life Sciences, Ritsumeikan University, Japan.

Job experience**الخبرة الوظيفية**

1. 1/6/2005 – 3/5/2006; Chemist; Genetic Engineering and Molecular Biology Research Center, Assiut University, Egypt.
2. 4/5/2006 – 10/8/2012; Demonstrator (Faculty Assistant); Organic Chemistry, Science Department, Faculty of Education at New Valley, Assiut University, El-Kharga Campus, Egypt.
3. 11/8/2012 – 21/6/2017; Assistant Lecturer; Organic Chemistry, Chemistry Department, Faculty of Science at New Valley, Assiut University, El-Kharga Campus, Egypt.
4. 03/10/2016 – 31/3/2017; Post-Doctoral Fellow (Assistant Researcher); Applied Chemistry, Research Center for Soft/Hard Hybrid Functional Materials, Ritsumeikan University (BKC), Japan.
5. 01/4/2017 – 31/3/2021; Post-Doctoral Fellow (Senior Researcher); Applied Chemistry, Ritsumeikan Global Innovation Research Organization (R-GIRO), Ritsumeikan University (BKC), Japan.
6. 22/6/2017 – 31/7/2022; Lecturer (=Assistant Professor); Organic Chemistry, Chemistry Department, Faculty of Science, New Valley University, El-Kharga, Egypt.
7. 31/7/2022 – Current; Associate Professor; Applied Organic Chemistry, Chemistry Department, Faculty of Science, New Valley University, El-Kharga, Egypt.

Teaching experience**الخبرة التدريسية**

1. Teaching all the experimental organic chemistry courses to undergraduate students from a variety of colleges, including the college of science, the college of education, the college of agriculture, and the college of veterinary medicine.
2. Teaching many courses for undergraduate students at the Faculty of Science, New Valley University, such as: “Petroleum chemistry” – “Biochemistry” – “Applied organic chemistry (polymers, dyes, fibers and textiles, nanometric materials)” – “Photochemistry”.
3. Teaching many courses to undergraduate students at the Faculty of Education, New Valley University, such as: “Organic chemistry for the second-grade students” – “Spectroscopy” – “Heterocyclic compounds” – “Photochemistry”.
4. Teaching many courses to post-graduate students at the Faculty of Science, New Valley University, such as: “Photochemistry” – “Dyes, fibers and textiles” – “Spectroscopy”.

Administrative Positions**المناصب الإدارية**

1. 11/2021 – Current; Executive Supervisor of the international relations center at New Valley University.

2. 11/2021 – Current; Head of the team of “Scientific Research and Activities”, Quality Assurance Unit at Faculty of Science, New Valley University, Egypt.
3. 06/2021 – Current; Technical Director of “Spectrophotometer Instrument”, Central Laboratory at Faculty of Science, New Valley University, Egypt.
4. 02/2022 – Current; Technical Director of the "Environmental Analysis Laboratory" at the Faculty of Science, New Valley University, Egypt.

Scholarships & Fellowships

المنح والزِمالات

1. 10/2013 – 9/2016; Monbukagakusho International Scholarship; Provided by MEXT “Japanese Ministry of Education, Culture, Sport, Science, and Technology” to get Ph.D. Degree from Ritsumeikan University, Japan.
2. 10/2016 – 3/2017; Post-Doctoral Fellowship (Assistant Researcher); Research Center for Soft/Hard Hybrid Functional Materials, Ritsumeikan University (BKC), Japan.
3. 4/2017 – 3/2021; Post-Doctoral Fellowship (Senior Researcher); Ritsumeikan Global Innovation Research Organization (R-GIRO), Ritsumeikan University (BKC), Japan.
4. 7/2021 – 3/2022; Visiting Researcher; Research Organization of Science and Technology, Ritsumeikan University (BKC), Japan.

Publications (Patent)

براءة الاختراع

1. **Osama Younis** and Osamu Tsutsumi; フォトルミネッセント材料として有用なポリマー Polymers as Useful Photoluminescent Materials; Patent; Assignee: Ritsumeikan University, Japan; **Japanese Patent No. JP 6918352** (Submitted: July 21st, 2016; Last update: August 11th, 2021).
https://www.fujikin.co.jp/csr/stp/sou/patent_download.php?id=19030005

Publications (Original papers)

الأبحاث

1. **Osama Younis**, Yuki Rokusha, Nana Sugimoto, Kari Fujisawa, Shigeyuki Yamada, and Osamu Tsutsumi. “Effects of Molecular Structure and Aggregated Structure on Photoluminescence Properties of Liquid-Crystalline Gold(I) Complexes with Various Aromatic Rings”. **Molecular Crystals and Liquid Crystals** (Publisher: Taylor & Francis). October 2015, 617 (1), 21.
<https://doi.org/10.1080/15421406.2015.1075367>
2. Ryo Kawano, **Osama Younis**, Akihiro Ando, Yuki Rokusha, Shigeyuki Yamada, Osamu Tsutsumi. “Photoluminescence from Au(I) Complexes Exhibiting Color Sensitivity to the Structure of the Molecular Aggregates”. **Chemistry Letters** (Publisher: Chemical Society of Japan). January 2016, 45 (1), 66. <https://doi.org/10.1246/cl.150944>

3. Kaori Fujisawa, Fumika Mitsunashi, Preeyanuch Anikul, Kensuke Taneki, **Osama Younis**, and Osamu Tsutsumi. "Photoluminescence Behavior of Liquid-Crystalline Gold(I) Complexes with Siloxane Group Controlled by Molecular Aggregated Structures in Condensed Phases". ***Polymer Journal*** (Publisher: Nature Publishing Group). 2018, 50, 761. <https://doi.org/10.1038/s41428-018-0060-8>
4. Kamal I. Aly, **Osama Younis**, M. H. Mahross, Osamu Tsutsumi, M. G. Mohamed, and Marwa M. Sayed. "Novel Conducting Polymeric Nanocomposites Embedded with Nanoclay: Synthesis, Photoluminescence, and Corrosion Protection Performance". ***Polymer Journal*** (Publisher: Nature Publishing Group). 2019, 51, 77. <https://doi.org/10.1038/s41428-018-0119-6>
5. Kamal I. Aly, **Osama Younis**, Nayef S. Al-Muaiikel, Ahmed A. Atalla, Abu-Bakr A. A. M. El-Adasy, Mahmoud A. Hussein, and Ahmed R. Abdellah. "Novel Copolyhydrazides and Copolyoxadiazoles Based on 1,4-phenyl linkage and 1,3,4-Thiadiazole Moiety in the Polymer Main Chain to Induce Glass Transition and to Improve the Thermal Stability, Solubility, and Antimicrobial Activity". ***Journal of Polymer Research*** (Publisher: Springer Netherlands). 2019, 26, 51. <https://doi.org/10.1007/s10965-019-1712-x>
6. Kamal I. Aly, **Osama Younis**, Nayef S. Al-Muaiikel, Ahmed A. Atalla, Abu-Bakr A. A. M. El Adasy, and Ahmed R. Abdellah. "Novel Polyhydrazides and Polyoxadiazoles Based on 1,3,4 Thiadiazole Moiety in the Main Chain with High Thermal Stability, Good Solubility, and Notable Antimicrobial Activity". ***Journal of Applied Polymer Science*** (Publisher: John Wiley & Sons (United States)). 2019, 136, 47770. <https://doi.org/10.1002/app.47770>
7. Kamal I. Aly, **Osama Younis**, Mahmoud H. Mahross, Esam A. Orabi, Mohamed Abdel Hakim, Osamu Tsutsumi, Mohamed Gamal Mohamed, and Marwa M. Sayed. "Conducting Copolymers Nanocomposite Coatings with Aggregation-Controlled Luminescence and Efficient Corrosion Inhibition Properties". ***Progress in Organic Coatings*** (Publisher: Elsevier (Netherlands)). 2019, 135, 525. <https://doi.org/10.1016/j.porgcoat.2019.06.001>
8. Mostafa Sayed¹, **Osama Younis**¹ [equal contribution with the first author], Reda Hassanien, Mostafa Ahmed, Ahmed A. K. Mohammed, Adel M. Kamal, and Osamu Tsutsumi. "Design and Synthesis of Novel Indole Derivatives with Aggregation-induced Emission and Antimicrobial Activity". ***Journal of Photochemistry and Photobiology A: Chemistry*** (Publisher: Elsevier (Netherlands)). 2019, 383, 111969. <https://doi.org/10.1016/j.jphotochem.2019.111969>
9. Kamal I. Aly, Mohamed Gamal Mohamed, **Osama Younis**, Mahmoud H. Mahross, Mohamed Abdel-Hakim, Marwa M. Sayed. "Salicylaldehyde azine-functionalized polybenzoxazine: Synthesis, characterization, and its nanocomposites as coatings for inhibiting the mild steel corrosion". ***Progress***

- in Organic Coatings* (Publisher: Elsevier (Netherlands)). 2020, 138, 105385. <https://doi.org/10.1016/j.porgcoat.2019.105385>
10. **Osama Younis**, Emad E. El-Katori, Reda Hassanien, Ashraf S. Abousalem, and Osamu Tsutsumi. "Luminescent Coatings: White-Color Luminescence from a Simple and Single Chromophore with High Anticorrosion Efficiency". *Dyes and Pigments* (Publisher: Elsevier (Netherlands)). 2020, 175, 108146. <https://doi.org/10.1016/j.dyepig.2019.108146>
11. **Osama Younis**, Esam A. Orabi, Adel M. Kamal, Mostafa Sayed, Reda Hassanien, Rebecca L. Davis, Osamu Tsutsumi, and Mostafa Ahmed. "Aggregation-induced emission with white, green, or blue luminescence from biologically-active indole derivatives". *Optical Materials* (Publisher: Elsevier (Netherlands)). 2020, 100, 109713. <https://doi.org/10.1016/j.optmat.2020.109713>
12. Kamal I. Aly, Marwa M. Sayed, Mohamed Gamal Mohamed, Shiao Wei Kuo, and **Osama Younis**. "A Facile Synthetic Route and Dual Function of Network Luminescent Porous Polyester and Copolyester Containing Porphyrin Moiety for Metal Ions Sensor and Dyes Adsorption". *Microporous and Mesoporous Materials* (Publisher: Elsevier (Netherlands)). 2020, 298, 110063. <https://doi.org/10.1016/j.micromeso.2020.110063>
13. **Osama Younis**, Mahmoud S. Tolba, Esam A. Orabi, Adel M. Kamal, Reda Hassanien, Osamu Tsutsumi, and Mostafa Ahmed. "Biologically-Active Heterocyclic Molecules with Aggregation-Induced Blue-Shifted Emission and Efficient Luminescence both in Solution and Solid States". *Journal of Photochemistry and Photobiology A: Chemistry* (Publisher: Elsevier (Netherlands)). 2020, 400, 112642. <https://doi.org/10.1016/j.jphotochem.2020.112642>
14. Kamal I. Aly, Jingjiang Sun, Dirk Kuckling, and **Osama Younis**. "Polyester Resins based on Soybean Oil: Synthesis and Characterization". *Journal of Polymer Research* (Publisher: Springer Netherlands). 2020, 27, 286. <https://doi.org/10.1007/s10965-020-02244-9>
15. Mostafa Ahmed¹, **Osama Younis**¹ [equal contribution with the first author], Esam A. Orabi, Ahmed M. Sayed, Adel M Kamal El-Dean, Reda Hassanien, Rebecca L. Davis, Osamu Tsutsumi, Mahmoud S. Tolba. "Synthesis of novel biocompatible thienopyrimidine chromophores with aggregation-induced emission sensitive to molecular aggregation". *ACS Omega* (Publisher: American Chemical Society (ACS)). 2020, 5, 29988. <http://dx.doi.org/10.1021/acsomega.0c04358>
16. **Osama Younis** and Osamu Tsutsumi. "Single-component white-color photoluminescence from liquid crystal polymers: Color tuning by a combination of luminescence thermo- and mechanochromism". *Dyes and Pigments* (Publisher: Elsevier (Netherlands)). 2021, 188, 109189. <https://doi.org/10.1016/j.dyepig.2021.109189>
17. **Osama Younis**, Hussain Sami, Yui Maruoka, Kyohei Hisano, and Osamu Tsutsumi. "Fascinating phenomena towards single-component white-light emission through luminescent thermochromism".

- Dyes and Pigments** (Publisher: Elsevier (Netherlands)). 2021, 194, 109621. <https://doi.org/10.1016/j.dyepig.2021.109621>
18. **Osama Younis***, Mohamed Abdel-Hakim, Marwa M. Sayed, Osamu Tsutsumi, and Kamal I. Aly. "Liquid crystal polymers as luminescent coatings: Single-component white-light photoluminescence and corrosion inhibition". **Journal of Luminescence** (Publisher: Elsevier (Netherlands)). 2021, 239, 118361. <https://doi.org/10.1016/j.jlumin.2021.118361>
19. Hussain Sami¹, **Osama Younis¹ [equal contribution with the first author]**, Yui Maruoka, Kenta Yamaguchi, Kumar Siddhant, Kyohei Hisano, and Osamu Tsutsumi. "Negative Thermal Quenching of Photoluminescence from Liquid-Crystalline Molecules in Condensed Phases". **Crystals** (Publisher: MDPI (Switzerland)). 2021, 11, 1555. <https://doi.org/10.3390/cryst11121555>
20. Mahmoud S. Tolba, Ahmed F. Al-Hossainy, Adel M. Kamal Eldean, and **Osama Younis***. "From blue to green photoluminescence: Design, synthesis, and DFT calculations of heterocyclic compounds containing chromenothienopyrimidine moiety". **Asian Journal of Organic Chemistry** (Publisher: WILEY-VCH (Germany)). 2022, 11, e202100801. <https://doi.org/10.1002/ajoc.202100801>
21. Ahmed I. A. Soliman, Mostafa Sayed, Mahmoud M. Elshanawany, **Osama Younis**, Mostafa Ahmed, Adel M. Kamal El-Dean, Aboel-Magd A. Abdel-Wahab, Josef Wachtveitl, Markus Braun, Pedram Fatehi, and Mahmoud S. Tolba. "Base-Free Synthesis and Photophysical Properties of New Schiff Bases Containing Indole Moiety". **ACS Omega** (Publisher: American Chemical Society (USA)). 2022, 7, 12, 10178. <https://doi.org/10.1021/acsomega.1c06636>
22. **Osama Younis**, Mostafa Sayed, Ahmed A.K. Mohammed, Mahmoud S. Tolba, Reda Hassanien, Adel M. Kamal El-Dean, Osamu Tsutsumi, Mostafa Ahmed. "Solid-State Luminescent Materials Containing Both Indole and Pyrimidine Moieties: Design, Synthesis, and Density Functional Theory Calculations". **ACS Omega** (Publisher: American Chemical Society (USA)). 2022, 7, 17, 15016. <https://pubs.acs.org/doi/10.1021/acsomega.2c00775>
23. **Osama Younis**, Ahmed F. Al-Hossainy, Mostafa Sayed, Adel M. Kamal El-dean, Mahmoud S. Tolba. "Synthesis and intriguing single-component white-light emission from oxadiazole or thiadiazole integrated with coumarin luminescent core". **Journal of Photochemistry and Photobiology A: Chemistry** (Publisher: Elsevier). 2022, 431, 113992. <https://doi.org/10.1016/j.jphotochem.2022.113992>
24. Moaz M. Abdou, **Osama Younis**, Emad E.El-Katori. "Synthesis, experimental and theoretical studies of two aryl-azo derivatives clubbed with 2-acetylphenol and their application as novel luminescent coatings with high anticorrosion efficiency". **Journal of Molecular Liquids** (Publisher: Elsevier). 2022, 360, 113992. <https://doi.org/10.1016/j.molliq.2022.119506>

25. Amina Abozeed, Mostafa Sayed, **Osama Younis**, Mahmoud S. Tolba, Reda Hassanien, Adel M. Kamal El-Dean, Samia M. Ibrahim, Amira Salah, Amira Shakir, Reham El-Sayed, Yasser A. El-Ossaily, Ahmed F. Al-Hossainy. "Characterization and optical behavior of a new indole Schiff base using experimental data and TD-DFT/DMO³ computations". *Optical Materials* (Publisher: Elsevier). 2022, 131, 112594. <https://doi.org/10.1016/j.optmat.2022.112594>
26. Amina Abozeed, **Osama Younis***, Ahmed F. Al-Hossainy, Nada Abd El-Mawla, Mostafa Sayed, Adel M. Kamal El-Dean, Mahmoud S. Tolba. "Combined experimental and TD-DFT/DMO³ investigations, optical properties, and photoluminescence behavior of a thiazolopyrimidine derivative". *Scientific Reports* (Publisher: Nature Portfolio). 2022, 12, 15674. <https://doi.org/10.1038/s41598-022-19840-y>
27. N. Almutlaq, Mahmoud M. Elshanawany, Mostafa Sayed, **Osama Younis***, Mostafa Ahmed, Josef Wachtveitl, Markus Braun, Mahmoud S. Tolba, Ahmed F. Al-Hossainy, Amina A. Abozeed, "Synthesis, Structural, TD-DFT, and Optical Characteristics of Indole Derivative". *Current Applied Physics* (Publisher: Elsevier), 2023, 45, 86-98. <https://doi.org/10.1016/j.cap.2022.11.004>
28. Amina Abozeed, Mahmoud Tolba, Mostafa Sayed, Ahmed F Al-Hossainy, **Osama Younis***, "TD-DFT calculations and optical properties of a luminescent thiazolopyrimidine compound with different emission colors and uncommon blue shift upon aggregation". *Journal of Applied Physics* (Publisher: AIP "American Institute of Physics"), 2023, **Accepted**.

Peer Reviewer for International Journals

محكم لأبحاث في المجلات الدولية

As verified from Web of Science (<https://www.webofscience.com/wos/author/record/2053983>), I reviewed

19 manuscripts for the following journals:

- Journal of Inorganic and Organometallic Polymers and Materials (Springer Nature).
- Journal of Photochemistry and Photobiology A: Chemistry (Elsevier).
- Russian Journal of Bioorganic Chemistry (Springer).
- Case Studies in Thermal Engineering (Elsevier).
- Polymer Korea (Polymer Society of Korea).
- Applied Physics A (Springer Nature).
- Chemical papers (Springer Nature).
- Surfaces and Interfaces (Elsevier).
- Vacuum (Elsevier).
- Molecules (MDPI).

Honors & Awards

الجوائز

1. 2/2007; Scientific & Career superiority Award; Faculty of Education, at New Valley, Assiut University, Egypt.

2. 5/2013; Best presentation award; 7th Scientific Conference for Young Researchers; "Synthesis of Thiazolo-Quinoline-4,9-Diones through Hetero-Diels-Alder Reaction of Halogenated Quinones"; Faculty of Education at New Valley, Assiut University, Egypt.
3. 11/2014; Poster award; 3rd International Symposium on Functionalization and Applications of Soft/Hard Materials (Soft/Hard 2014); "Correlation between Aggregation Structure and Photoluminescence Behavior of a Liquid-Crystalline Copolymer having Gold Complexes in Side Chain"; Ritsumeikan University, Japan.
4. 3/2015; Chemical Society of Japan (CSJ) student presentation award 2015; 95th Annual Meeting of the Chemical Society of Japan (CSJ); "Luminescence of Liquid Crystal Polymers Containing Mesogenic Au Complexes"; Nippon University, Funabashi Campus, Tokyo, Japan.
http://www.ritsumei.ac.jp/gsls/eng/news/article.html/?news_id=45.
5. 10/2017; Poster award; 2nd International Hetero-Structure Materials Workshop (Soft/Hard & Energy-Innovation Materials Session 2017); "Liquid Crystal Polymers with Gold Complexes as Solid-State White-Light Emitters from Single Chromophores"; Ritsumeikan University, Japan.

Actual Industrial Applications

التطبيقات الصناعية الفعلية

1. March 2017; DIC Corporation (a Japanese company) has bought three novel polymers we discovered in my Ph.D. study for 1 million Japanese yen per 1 gram (1,000,000 JPY/g) for each polymer.

Membership of Chemical Societies

عضوية الجمعيات الكيميائية

1. 2013 – 2018, CSJ: Chemical Society of Japan.
2. 2013 – 2019, SPSJ: Society of Polymer Science, Japan.
3. 2014 – 2018, JLCS: Japanese Liquid Crystal Society.
4. 2015 – 2016, JSCC: Japan Society of Coordination Chemistry.
5. 2018 – 2020, ILCS: International Liquid Crystal Society.

Accepted Funded projects

المشاريع البحثية الممولة

1. 6/2018–5/2020; Project Title: White-Color Luminescence from Single Chromophores of Liquid-Crystalline Polymeric Materials for Reducing the Device Power Consumption. Project No.: 30791. Joint Egyptian Japanese Scientific Cooperation (JEJSC); funded by: Science and Technology Development Fund (STDF) & Japan Society for the Promotion of Science (JSPS). 5 million Japanese Yen. **Co.P.I. of the Japanese side.**

2. 10/2018 – 3/2019; 2018 年度 研究成果国際発信プログラム（後期募集分）“The fiscal Year 2018 Research Results International Dissemination Program (Ritsumeikan University)”. 260,000 Yen. Osamu Tsutsumi, Osama Younis, Sathyanarayana Arruri, *et al.*
3. 2/2020–1/2022; Project Title: Eco-friendly applications for novel bio-renewable thermoplastic elastomers from vegetable oil. Project No.: 28930. Funded by Science Technology Innovation Fund Authority (STIFA).

Supervision of scientific theses

الإشراف علي الرسائل العلمية

1. 7/2018 – 11/2019; Ph.D. (Philosophy of doctoral degree in science); Thesis Title: “Synthesis, Characterization, and Applications of Some New Multifunctional Polymers”. Chemistry Department, Faculty of Science, Assiut University, Egypt. Student name: Marwa M. Sayed. Supervisors: Prof. Dr. Kamal Ibrahim; Dr. Mohamed Gamal; Dr. Osama Younis.
- 2-4. **(Three students)** 9/2020 – Current; M.Sc. (master degree in science); Chemistry Department, Faculty of Science, Assiut University, Egypt.
- 5-6. **(Two students)** 12/2021 – Current; M.Sc. (master degree in science); Chemistry Department, Faculty of Science, New Valley University, Egypt.

Conferences & Invited Lectures

المؤتمرات والمحاضرات المدعوة

1. April (3-4) 2011; 3rd Scientific Conference for Young Researchers Basic Science & Technology; **Oral presentation**; Synthesis of New Indolizino-Pyrido-Indole-diones by a One-Pot Three-Component Reaction; Osama Younis and Ahmed Hammam; Faculty of Science, Assiut University, Egypt.
2. May 14th, 2013; 7th Scientific Conference for Young Researchers; **Oral presentation**; Synthesis of Thiazolo-Quinoline-4,9-Diones through Hetero-Diels-Alder Reaction of Halogenated Quinones; Osama Younis and Ahmed Hammam; Faculty of Education at New Valley, Assiut University, Egypt.
3. November (29-30) 2013; 2nd International Symposium on Functionalization and Applications of Soft/Hard Materials (2013); **Oral presentation & Poster**; White-Color Emission from a Single Polymer Material Containing Liquid-Crystalline Gold Complexes; Osama Younis, Sho Tamai, Osamu Tsutsumi; BKC Campus, Ritsumeikan University, Shiga, Japan.
4. March (27-30) 2014; 94th Annual Meeting of the Chemical Society of Japan (CSJ); **Oral presentation**; White-Color Emission from a Single Material: Photoluminescence Behavior of Polymer Liquid Crystals with Gold(I) Complexes as a Mesogen; Osama Younis, Sho Tamai, Osamu Tsutsumi; Higashiyama Campus, Nagoya University, Nagoya, Japan.

5. May (28-30) 2014; 63rd Annual Meeting, Society of Polymer Science Japan (SPSJ); **Poster**; White-Color Emission from Polymer Liquid Crystals Containing Rod-Like Gold Complexes in Side-Chain; Osama Younis, Sho Tamai, Osamu Tsutsumi; Nagoya Congress Center, Japan.
6. July (23-25) 2014; 18th International Symposium on Advanced Display Materials and Devices (ADMD 2014); **Poster**; White-Color Photoluminescence from a Liquid-Crystalline Copolymer Containing Rod-Like Gold Complexes in the Side Chain; Osama Younis, Shigeyuki Yamada, and Osamu Tsutsumi; Katahira Sakura Hall, Tohoku University, Sendai, Japan.
7. Sept. (08-10) 2014; Japanese Liquid Crystal Conference (JLCS 2014); **Oral presentation**; Photoluminescence Properties of Liquid-Crystalline Copolymer with Rod-Like Gold Complex in Side Chain; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Kunibiki-messe Matsue, Shimane, Japan.
8. September (24-26) 2014; 63rd Symposium on Macromolecules, Society of Polymer Science Japan (SPSJ); **Poster**; Emission Behavior of Liquid-Crystalline Copolymer Containing Cyanobiphenyl Mesogen and Gold Complexes in side Chain; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Nagasaki University, Nagasaki, Japan.
9. October (14-16) 2014; 4th Chemical Society of Japan, Chemistry Festa; **Poster**; Photoluminescence Behavior of Liquid-Crystalline Copolymer Containing Rod-Like Gold Complexes in the Side Chain; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Tower Hall Funabori, Tokyo, Japan.
10. November (06-09) 2014; 3rd International Symposium on Functionalization and Applications of Soft/Hard Materials; **Oral presentation and Poster**; Correlation between Aggregation Structure and Photoluminescence Behavior of a Liquid-Crystalline Copolymer having Gold Complexes in Side Chain; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Ritsumeikan University, Shiga, Japan.
11. February (14-17) 2015; 13th IBN SINA International Conference on Pure and Applied Heterocyclic Chemistry; **Poster**; Aggregation-Induced Multicolor Photoluminescence from Liquid Crystal Gold(I) Complexes; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Sunny Days El-Palacio Resort, Hurghada, Egypt.
12. March (26-29) 2015; 95th Annual Meeting of the Chemical Society of Japan (CSJ); **Oral presentation**; Luminescence of Liquid Crystal Polymers Containing Mesogenic Au Complexes; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Nippon Univ., Funabashi, Tokyo, Japan.
13. September (15-17) 2015; 64th Symposium on Macromolecules, Society of Polymer Science Japan (SPSJ); **Oral presentation**; Efficient Deep-Blue Emission from Liquid-Crystalline Polymers in Solid State; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Tohoku University, Sendai, Japan.
14. September (21-23) 2015; 65th Conference of Japan Society of Coordination Chemistry (JSCC); **Oral presentation**; Aggregation-Controlled White-Color Emission from a Single Polymer Material with

Liquid-Crystalline Au Complexes; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Nara Women's University, Japan.

15. January (21-24) 2016; 5th International Symposium on Functionalization and Applications of Soft/Hard Materials (Soft/Hard 2016); **Invited lecture**; Deep-Blue and White Photoluminescence from Single Chromophores of Liquid-Crystal Polymers; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; BKC Campus, Ritsumeikan University, Shiga, Japan.
16. March (24-27) 2016; 96th Annual Meeting of Chemical Society of Japan; **Poster**; Photoluminescence Properties of Polymer-Stabilized Liquid Crystals Containing Gold Complexes; Sami H. Alijuzayri, Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Doshisha University, Kyoto, Japan.
17. September (14-16) 2016; 65th Symposium on Macromolecules, Society of Polymer Science Japan (SPSJ); **Oral presentation**; White-Color Luminescence from a Single Polymer Material: Controlling the Luminescent Color with External Stimuli; Osama Younis, Shigeyuki Yamada, Osamu Tsutsumi; Yokohama Campus, Kanagawa University, Kanagawa, Japan.
18. January (20-22) 2017; 6th International Symposium on Functionalization and Applications of Soft/Hard Materials (Soft/Hard 2017); **Invited lecture**; Thermo/Mechanochromism with White-Color Photoluminescence from Single Chromophores of Liquid Crystal Polymers; Osama Younis and Osamu Tsutsumi; BKC Campus, Ritsumeikan University, Japan.
19. March 10th, 2017; 3rd Symposium on the Ritsumeikan University Research Center for Energy-Innovation Materials; **Poster**; Aggregate Structure-Related Emission Color Adjustment: Single Chromophore Solid State White-Light Emitting Polymers; Osama Younis and Osamu Tsutsumi; BKC Campus, Ritsumeikan University, Shiga, Japan.
20. September (20-22) 2017; 66th Symposium on Macromolecules, Society of Polymer Science Japan (SPSJ); **Oral presentation**; White-Color Luminescence from a Single Liquid-Crystalline Polymer Exhibiting Color Sensitivity to the Aggregated Structure of Luminophores; Osama Younis and Osamu Tsutsumi; Johoku Campus, Ehime University, Ehime, Japan.
21. October 30th, 2017; 2nd International Hetero-Structure Materials Workshop (Hetero 2017); **Poster**; Liquid Crystal Polymers with Gold Complexes as Solid-State White-Light Emitters from Single Chromophores; Osama Younis and Osamu Tsutsumi; Ritsumeikan University, Shiga, Japan.
22. March (1-3) 2018; 7th International Symposium on Functionalization and Applications of Soft/Hard Materials (Soft/Hard 2018); **Poster**; Gold Complexes in the Polymer Side Chain for Broadening the Luminescence Band to Cover the Full Visible Range; Osama Younis and Osamu Tsutsumi; Ritsumeikan University, Shiga, Japan.

23. March (20-23) 2018; 98th Annual Meeting of Chemical Society of Japan (CSJ); **Oral presentation & ATP Poster**; Solid-state white-light emission from single luminophore; Osama Younis and Osamu Tsutsumi; Nihon University, Funabashi Campus, Chiba, Japan.
24. May (23-25) 2018; 67th SPSJ annual meeting (Society of Polymer Science, Japan); **Oral presentation**; Single Polymer Materials for White-Color Luminescence; Osama Younis and Osamu Tsutsumi; Nagoya Congress Center, Nagoya, Japan.
25. July (22-27) 2018; 27th International Liquid Crystal Conference (ILCC2018); **Oral presentation**; Liquid Crystal Polymers for White-Color Luminescence; Osama Younis and Osamu Tsutsumi; Kyoto International Conference Center, Japan.
26. November 21st, 2018; **Invited lecture**; Luminescence behavior of liquid crystal polymers; Osama Younis and Osamu Tsutsumi; Faculty of Science, Assiut University, Assiut, Egypt.
27. March 1st, 2019; 5th Symposium on Energy Innovation Materials Research Center; **Poster**; How to control the luminescence behavior of polymer materials; Osama Younis, Kyohei Hisano, Osamu Tsutsumi; BKC Campus, Ritsumeikan University, Shiga, Japan.
28. March (2-3) 2019; 8th International Symposium on Functionalization and Applications of Soft/Hard Materials (Soft/Hard 2019); **Poster**; Polymer Materials with Unique Photoluminescence Behavior; Osama Younis, Osamu Tsutsumi, Kyohei Hisano; Ritsumeikan University, Shiga, Japan.
29. March (16-19) 2019; 99th Annual Meeting of Chemical Society of Japan (CSJ); **Poster**; White-Light Luminescence in Liquid Crystal Phases; Supattra Panthai, Yui Maruoka, Sami H Alijuzayri, Osama Younis, Kyohei Hisano, Osamu Tsutsumi, Okamoto Campus, Konan University, Kobe, Japan.
30. May (29-31) 2019; 68th SPSJ annual meeting (Society of Polymer Science, Japan); **Poster**; Liquid Crystal Polymers for the Production of White-Color Emission; Osama Younis, Kyohei Hisano, Osamu Tsutsumi, Osaka International Convention Center, Japan.
31. September (3-6) 2019; Japanese Liquid Crystal Conference 2019; **Poster**; White-Color Luminescence induced by Liquid Crystalline alignment of luminogens; Supattra Panthai, Maruoka Yui, Sami H. Alijuzayri, Osama Younis, Kyohei Hisano, Osamu Tsutsumi, University of Tsukuba, University Hall, Ibaraki, Japan.
32. June (23rd) 2021; Raising the Capabilities and Efficiencies of the Central laboratory; **Invited Lecture**; Basics and Technological Applications of Photoluminescence Spectrophotometer; Osama Younis, Faculty of Science, New Valley University, Egypt.

1. September (7-11) 2003; Training Program at Quality Control Department, T3A Pharma (Medicine Factory), Assiut, Egypt.
2. June (27)-July (8) 2004; Training Program at Production Department, T3A Pharma (Medicine Factory), Assiut, Egypt.
3. September (27-29) 2005; Basic Principles and Techniques of PCR, Genetic Engineering and Molecular Biology Research Center, Assiut University, Egypt.
4. October (1-3) 2005; Principles of Basic Protein and Immunoblotting Techniques, by (as #3).
5. November (13-15) 2005; Theoretical and Practical Basis of Cell Culture Techniques, by (as #3).
6. December (12-14) 2005; Bioinformatics Applications for Optimization of Bioprocesses, by (as #3).
7. December (12-15) 2005; Advanced Theoretical and Practical Topics on PCR (Level-II), by (as #3).
8. Feb.(14-16) 2006; Theoretical and Practical Approach for Primary Hepatocyte Cell Culture, by (as #3).
9. February (21-23) 2006; Principals and Applications of Real-Time PCR, by (as #3).
10. February (26-28) 2006; Computer Assisted Molecular Design Bioinformatics, by (as #3).
11. March (14-16) 2006; Advanced Techniques on Protein & their Applications (Level-II), by (as #3).
12. June (1-30) 2006; English Language Program; English Language Center, Assiut University, Egypt.
13. July (1-12) 2006; Preparation of the University Teacher; by Faculty and Leadership Development Project (FLDP), Assiut University, Egypt.
14. July (15-17) 2006; Legal Aspects in Universities; hold by (same as #13).
15. July (15-18) 2006; Effective Teaching Skills; hold by (same as #13).
16. July (29-31) 2006; Thinking Skills; hold by (same as #13).
17. May (28-30) 2007; New Trends in Teaching; hold by (same as #13).
18. January (26-28) 2008; International Publishing of Research; hold by (same as #13).
19. February (5-7) 2008; Use of Technology in Teaching; hold by (same as #13).
20. June (1-15) 2013; Credit Hours System; hold by (same as #13).
21. September (1-3) 2013; Quality Standards in Teaching; hold by (same as #13).
22. 1-3 September (1-3) 2013; Research Team Management; hold by (same as #13).
23. September (7-9) 2013; How to Organize International Conferences; hold by (same as #13).
24. September (10-12) 2013; Ethics of the University Teacher; hold by (same as #13).
25. April 2014; Safety at Synchrotron Radiation Sources; SR Center, Ritsumeikan University, Japan.
26. January (21-23) 2015; Legal and Financial Aspects in the University Environment; by (as #13).
27. April 2015; Safety at Synchrotron Radiation Sources; SR Center, Ritsumeikan University, Japan.
28. April 2016; Safety at Synchrotron Radiation Sources; SR Center, Ritsumeikan University, Japan.
29. February 8th, 2017; The 3rd Workshop on Robotics: Innovation based on R-GIRO advanced materials; Title of my lecture "Development of Mechanical Sensors using Polymer Materials for Robotic Applications"; Ritsumeikan Global Innovation Research Organization (R-GIRO), Ritsumeikan University, Shiga, Japan.

30. April 2017; Safety at Synchrotron Radiation Sources; SR Center, Ritsumeikan University, Japan.
31. April 2018; Safety at Synchrotron Radiation Sources; SR Center, Ritsumeikan University, Japan.
32. June (28-30) 2020; Publication of Research in International Journals; hold by (same as #13).
33. July (26-28) 2020; Crisis Management; hold by (same as #13).
34. July (26-28) 2020; Analytical and Creative Thinking in Teaching; hold by (same as #13).
35. August (16-18) 2020; Student Evaluation; hold by (same as #13).
36. August (23-25) 2020; Communications Skills; hold by (same as #13).
37. August (23-25) 2020; Effective Management of Time and Work Stress; hold by (same as #13).
38. July 2021; Fundamentals of Digital Transformation; by Center of Knowledge and e-Services, Supreme Council of the Egyptian Universities.

References for Recommendation**أساتذة كمراجع للتوصية****1. Prof. Dr. Osamu Tsutsumi**

- Relationship: Supervisor of my PhD Thesis.
- Department of Applied Chemistry, College of Life Sciences, Ritsumeikan University, Japan.
- E-mail: tsutsumi@sk.ritsumei.ac.jp
- Phone/Fax: +81775615966.
- <https://scholar.google.com/citations?hl=en&user=Y5QPlngAAAAJ>
- <http://www.ritsumei.ac.jp/lifescience/achem/tsutsumi/eng/people/Osamu-Tsutsumi.html>

2. Prof. Dr. Shigeyuki Yamada

- Relationship: Assistant Supervisor of my PhD Thesis.
- Faculty of Molecular Chemistry and Engineering, Kyoto Institute of Technology, Japan.
- E-mail: syamada@kit.ac.jp
- Phone: +81757247517.
- <https://scholar.google.com/citations?user=7-x8vFgAAAAJ&hl=en>
- <https://www.hyokadb.jim.kit.ac.jp/profile/en.7fa0df662b348aee4eaf69228af1a413.html#Homepage>

3. Prof. Dr. Hanasaki Tomonori

- Relationship: Referee of my PhD Thesis and the final defence.
- Department of Applied Chemistry, College of Life Sciences, Ritsumeikan University, Japan.
- E-mail: hanasaki@sk.ritsumei.ac.jp
- Phone: +810775661111.
- <https://research-db.ritsumei.ac.jp/rithp/k03/resid/S002142>

4. Prof. Dr. Ahmed Farouk Al-Hossainy

- Relationship: Coauthor of several manuscripts and works at the same institute in Egypt.
- Chemistry Department, Faculty of Science, New Valley University, Egypt.
- Dean of Faculty of Pharmacy, New Valley University, Egypt.
- E-mail: ahmed73chem@nvu.edu.eg
- Phone: +201099330009.
- <https://scholar.google.com/citations?user=p3P6Wk8AAAAJ&hl=en>
- http://www.nvu.edu.eg/membercv.php?M_ID=4949

Recommendation Letters (1 of 3)

خطابات التوصية

**Ritsumeikan University**
Graduate School of Life Sciences1-1-1 Nojihigashi, Kusatsu 525-8577, Shiga, Japan. URL: www.ritsumei.ac.jp/gsls/eng/**Recommendation letter**

Dear Sir,

I have the pleasure of introducing and recommending Dr. Osama Mohamed Younis, one of the distinguished researchers who worked in my research group for more than seven years (9/2013 – 3/2021). My doctorate student, Dr. Younis, was awarded a scholarship from the Japanese government (Monbukagakusho International Scholarship: MEXT) to study under my supervision between September 2013 and September 2016. His postdoctoral work with me continued directly (10/2016 – 3/2021) after he had his PhD. A Japanese patent and about several articles in international journals have been published with him.

Since joining my group, I've discovered Dr. Younis's ability for study and research and to perform at a high level. His outstanding education in chemistry fundamentals and organic chemistry has qualified him to conduct research in the field of applied chemistry. Additionally, his overall behavior is great, and he is continuously earnest in his approach to all aspects of the laboratory work and problem-solving sections. Throughout his career, he demonstrated a high level of initiative and a willingness to work hard. He is adept at progressing both theoretically and experimentally through the research process. Additionally, he possesses unique abilities to conduct research, develop and suggest good ideas, and explain the outcomes of his research. Dr. Younis is an excellent reader, an intelligent, creative individual with a stable mentality, a straight character, and an optimistic attitude. He is capable of working in a team environment with a friendly atmosphere. He gets along well with his colleagues and coworkers in my group. His mastery of the English language is remarkable, as are his morals. Additionally, he is dedicated, responsible, and well-organized. Along with assisting others, he demonstrates independence, confidence, and humility. This personality had earned him admiration not only from myself, but also from other members.

His position as a lecturer at New Valley University in Egypt enabled him to demonstrate superior abilities and skills in teaching some students in my group with confidence. I've always considered him to be an extremely willing and agreeable individual. I am confident that he would carry out his duties with integrity and will perform both active research and teaching activities. As a result, I strongly recommend Dr. Younis for the job/grant for which he is applying.

Sincerely,

Prof. Dr. Osamu Tsutsumi

Department of Applied Chemistry

College of Life Sciences

Ritsumeikan University, Japan

Phone/Fax: +81-77-561-5966. E-mail: tsutsumi@sk.ritsumei.ac.jp<http://www.ritsumei.ac.jp/lifescience/achem/tsutsumi/eng/people/Osamu-Tsutsumi.html>

Recommendation Letters (2 of 3)

خطابات التوصية



Kyoto Institute of Technology
Faculty of Molecular Chemistry and Engineering

Recommendation letter

Respected Sir,

It gives me great pleasure to introduce and recommend **Dr. Osama Mohamed Younis** as an outstanding researcher in Professor Osamu Tsutsumi's research group for his application to you. I worked with Dr. Osama for two years, from April 2014 to March 2016, when I joined the Tsutsumi group as an assistant professor at Ritsumeikan University in Japan. I assisted Dr. Osama with his PhD research and am familiar with it; we are also co-authors of two international journal articles and several conference presentations.

Dr. Younis enjoys excellent working relationships with his colleagues and staff at the Tsutsumi group. He demonstrates his efficacy as a leader to other students by his confidence in the presence of a variety of problems. He is a hard-worker and an active researcher. He presented at numerous conferences and workshops and received several awards for the best presentation and best poster. He constantly makes a concerted effort to produce high-quality research publications. Additionally, he possesses distinctive abilities for conducting research and developing good ideas. He has demonstrated a high level of initiative, creativity, and intelligence, as well as the skills to propose new research ideas with solving difficulties, interpret data, and write articles.

On a personal level, Dr. Younis is also capable of adapting easily and rapidly to new surroundings and takes his responsibilities seriously. He gained valuable practical expertise in a variety of multidisciplinary sciences during his master's and PhD studies. He has extensive knowledge with the many techniques that are frequently utilized in his field of study. Photoluminescence spectroscopy, thermogravimetric analysis, differential scanning calorimetry, polarised optical microscopy, UV-Vis absorption spectroscopy, and nuclear magnetic resonance are all examples of these techniques.

I am confident that he would be able to continue conducting highly active research activities that would benefit both him and your institute significantly. I believe he would be an excellent candidate for your program. As a result, I feel that if his application is granted, he will be able to advance his research and career simultaneously. Thus, I honestly recommend Dr. Younis for his application.

Sincerely,

Prof. Shigeyuki Yamada,

Faculty of Molecular Chemistry and Engineering, Kyoto Institute of Technology,
Matsugasaki, Sakyo-ku, Kyoto 606-8585, Japan.
Tel: +81757247517; E-mail: syamada@kit.ac.jp

Recommendation Letters (3 of 3)

خطابات التوصية



New Valley University



Faculty of Science

Letter of Recommendation

Dear Sir,

I have the honor of introducing and recommending Dr. Osama Mohamed Younis as one of our institution's outstanding faculty members. Dr. Osama earned a permanent position as a demonstrator (faculty assistant) at the Chemistry Department, Faculty of Science, New Valley University after being ranked among the top students among his peers for his bachelor's degree. He was then promoted to a lecturer (=Assistant professor) after the successful completion of his PhD. I am now co-authoring several manuscripts with Dr. Osama that are under publication.

Dr. Osama demonstrates exceptional ability and advanced skills when it comes to teaching and research. Additionally, he is consistently earnest in all aspects of his work. He demonstrated a high level of initiative and a dedication to his work throughout his career. He is adept at delving into both theory and practice issues. Additionally, he possesses exceptional ability and special skills for conducting studies in order to generate excellent ideas for his teaching or research responsibilities.

On the personal level, Dr. Osama is a creative individual. He possesses a good personality and a positive attitude as are his morals. He is capable of working in a team environment while maintaining a friendly personality. I have always found him to be a very willing and cooperative individual, and I am confident that he would carry out his duties with enthusiasm and would continue to conduct extensive research. Dr. Osama has excellent working relationships with his chemistry department colleagues and faculty members. Therefore, I strongly recommend Dr. Osama for his application.

Sincerely,

Prof. Dr. Ahmed Farouk Al-Hossainy

Professor, Chemistry Department, Faculty of Science, New Valley University, Egypt. http://www.nvu.edu.eg/membercv.php?M_ID=4949

Google Scholar: <https://scholar.google.com/citations?user=p3P6Wk8AAAAJ&hl=en>

Manager of the international ranking office at New Valley university.

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