

Faculty CV



Dr. Zehra Edis

Academic Rank

Associate Professor

Mobile phone: **00971 56 6947751**

Email: z.edis@ajman.ac.ae

Scopus: <https://www.scopus.com/authid/detail.uri?authorId=55948227800>

Orcid: <https://orcid.org/0000-0001-9555-3473>

Google Scholar: <https://scholar.google.com/citations?user=Ua3iAg4AAAAJ&hl=en>

Sciprofiles: <https://sciprofiles.com/profile/ZehraEdis>

Researchgate: <https://www.researchgate.net/profile/Zehra-Edis>

Faculty Profile: <https://www.ajman.ac.ae/en/pharmacy/directory/staff/zehra-edis>

LinkedIN: <https://www.linkedin.com/in/zehra-edis-10524412b/>

Affiliations:

Department of Pharmaceutical Sciences, College of Pharmacy and Health Science, Ajman University,
PO Box 346 Ajman, UAE

Qualifications

1. Vordiplom (BSc) at the University of Cologne, Germany

2. Diplom (MSc) at the University of Cologne

„Investigations on the Synthesis of Fluororganogallium-Compounds“.

3. Ph.D. at the University of Cologne, Germany „Polyiodides of 12-Crown-4 Complexes with Alkali cations“.

Available at <https://kups.ub.uni-koeln.de/494/1/11v3508.pdf>

Ph.D. with Scholarship of the Graduiertenkolleg „Classification of phase transitions in crystalline compounds on account of structural and physical anomalies“

Degrees BSc, MSc and Ph.D. with (magna cum laude) "Excellent" in Chemistry from the University of Cologne, Germany.

Research field(s)

- Nanotechnology
- Synthesis of iodine-plant polymeric antimicrobials
- Plant mediated nanoparticles
- Polyiodides
- Nanocarriers for drug delivery
-

Publications *(Last five years)*

Published Papers [Scopus: 40 documents, 403 Citations, h-index 13 (10.1.2023),

Google Scholar: 75 documents, 603 Citations, h-index 15, i10-index 21 (10.1.2023)]

	Title	Status (Published, Accepted,...)	Month-Year	No of authors	Author	Scopus	Publisher
1.	Khan S., Cho W.C., Jaragh-Alhadad L.A., Tarharoudi R., Bloukh S.H., Edis Z., Sari S., Falahati M., ten Hagen T.L.M., Khan R.H., Bai Q. Nano-bio interaction: An overview on the biochemical binding of DNA to inorganic nanoparticles for the	Published	11.11.2022	11	Co-author	Q1-A*-90 %	Elsevier

	<p>development of anticancer and antibacterial nano-platforms</p> <p>International Journal of Biological Macromolecules 2023, 225, pp. 544 – 556.</p> <p>DOI: 10.1016/j.ijbiomac.2022.11.110</p> <p>https://doi.org/10.1016/j.ijbiomac.2022.11.110</p> <p>Review</p>						
2.	<p>Edis, Z.; Bloukh, S.H. Antimicrobial V-Shaped Copper(II) Pentaiodide: Insights to Bonding Pattern and Susceptibility.</p> <p><i>Molecules</i> 2022, 27, 6437.</p> <p>https://doi.org/10.3390/molecules27196437</p> <p>Research</p>	<p>Published</p> <p>1SR</p>	<p>29.9. 2022</p>	<p>2</p>	<p>Corresponding and main author</p>	<p>Q1-A-83%</p>	<p>MDPI</p>
3.	<p>Zhang, W.; Cho, W.C.; Bloukh, S.H.; Edis, Z.; Du, W.; He, Y.; Hu, H.Y.; ten Hagen, T.L.M.; Falahati, M. An overview on the exploring the interaction of inorganic nanoparticles with microtubules for the advancement of cancer therapeutics</p> <p>International Journal of Biological Macromolecules 2022, 212, pp. 358 – 369..</p> <p>DOI: 10.1016/j.ijbiomac.2022.05.150</p> <p>https://doi.org/10.1016/j.ijbiomac.2022.05.150</p> <p>Review</p>	<p>Published</p>	<p>1.7.2 022</p>	<p>9</p>	<p>Co-author</p>	<p>Q1-A*-90 %</p>	<p>Elsevier</p>
4.	<p>Sharifi, M.; Cho, W.C.; Ansariesfahani, A.; Tarharoudi, R.; Malekisarvar, H.; Sari, S.; Bloukh, S.H.; Edis, Z.; Amin, M.; Gleghorn, J.P.; et al.</p> <p>An Updated Review on EPR-Based Solid Tumor Targeting Nanocarriers for Cancer Treatment. <i>Cancers</i> 2022, 14, 2868.</p> <p>https://doi.org/10.3390/cancers14122868</p> <p>Review</p>	<p>Published</p>	<p>10.6. 2022</p>	<p>12</p>	<p>Co-author</p>	<p>Q2-B-65%</p>	<p>MDPI</p>
5.	<p>Suliman Khan, Majid Sharifi, Jason P. Gleghorn, Mohammad Mahdi Nejadi Babadaei, Samir Haj Bloukh, Zehra Edis, Mohammadreza Amin, Qian Bai, Timo L.M. ten Hagen, Mojtaba Falahati, William C. Cho</p> <p>Artificial engineering of the protein corona at bio-nano interfaces for improved cancer-targeted</p>	<p>Published</p>	<p>29.5. 2022</p>	<p>10</p>	<p>Co-author</p>	<p>Q1-A*-97%</p>	<p>Elsevier</p>

	nanotherapy. Journal of Controlled Release 2022, 348, 127-147, https://doi.org/10.1016/j.jconrel.2022.05.055 . Review						
6.	Edis, Z.; Bloukh, S.H.; Sara, H.A.; Azelee, N.I.W. Antimicrobial Biomaterial on Sutures, Bandages and Face Masks with Potential for Infection Control. <i>Polymers</i> 2022 , 14, 1932. https://doi.org/10.3390/polym14101932 Research DGSR Project ID No: Ref. # 2021-IRG-PH-2 ACSFall2022-Poster Presentation https://doi.org/10.1021/scimeetings.2c00529 Research	Published 1R	10.5. 2022	4	Corresponding and main author	Q1-A-76 %	MDPI
7.	Desai, A.S.; Singh, A.; Edis, Z.; Haj Bloukh, S.; Shah, P.; Pandey, B.; Agrawal, N.; Bhagat, N. An In Vitro and In Vivo Study of the Efficacy and Toxicity of Plant-Extract-Derived Silver Nanoparticles. <i>J. Funct. Biomater.</i> 2022 , 13, 54. https://doi.org/10.3390/jfb13020054 . Research	Published ½ R	10.5. 2022	8	Corresponding author	Q1-A-81 %	MDPI
8.	Khan, S.; Hussain, A.; Fahimi, H.; Aliakbari, F.; Haj Bloukh, S.; Edis, Z.; Babadaei, M.M.N.; Izadi, Z.; Varnamkhasti, B.S.; Jahanshahi, F.; Lin, Y.; Xiao, H.; Khan, R.H.; Rasti, B.; Vaghar-Lahijani, G.; Linlin, H.; Derakhshankhah, H.M.; Sharifi, M.; Falahati, M. A review on the therapeutic applications of aptamers and aptamer-conjugated nanoparticles in cancer, inflammatory and viral diseases <i>Arabian Journal of Chemistry</i> 2022 , 15, 103626. https://doi.org/10.1016/j.arabjc.2021.103626 Review	Published	10.12. .2021	19	Co-author	Q1-A* 91%	Elsevier Added to Faculty profile Sedona Faculty research

9.	<p>Khan, S.; Hussain, A.; Attar, F.; Haj Bloukh, S.; Edis, Z.; Sharifi, M.; Balali, E.; Nemati, F.; Derakhshkhan, H.; Zeinabad, H.A.; Nabi, F.; Khan, R.H.; Xiao, H.; Tueting, L.; Linlin, H.; ten Hagen, T.L.M.; Falahati, M.</p> <p>A review of the berberine natural polysaccharide nanostructures as potential anticancer and antibacterial agents.</p> <p><i>Biomedicine & Pharmacotherapy</i> 2022, 146, 112531. https://doi.org/10.1016/j.biopha.2021.112531</p> <p>Review</p>	Published	11.12 .2021	17	Co-author	Q1-A* 91%	Elsevier
10.	<p>Haj Bloukh, S.; Edis, Z.; Abu Sara, H.; Alhamaidah, M.A. Antimicrobial Properties of <i>Lepidium sativum</i> L. Facilitated Silver Nanoparticles. <i>Pharmaceutics</i> 2021, 13, 1352. https://doi.org/10.3390/pharmaceutics13091352</p> <p>Research</p> <p>DGSR Grant No: IRG-2018-A-PH-09</p> <p>ACSSpring2022-Poster Presentation</p> <p>https://doi.org/10.1021/scimeetings.2c00040</p>	Published 1R	27.8. 2021	4	Corresponding author	Q2 68%	Mdpi
11.	<p>Jadhav, M.; Sankhe, K.; Bhandare, R.R.; Edis, Z.; Bloukh, S.H.; Khan, T.A. Synthetic Strategies of Pyrimidine-Based Scaffolds as Aurora Kinase and Polo-like Kinase Inhibitors. <i>Molecules</i> 2021, 26, 5170. https://doi.org/10.3390/molecules26175170</p> <p>Review</p>	Published	26.8. 2021	6	Corresponding author	Q2 74%	Mdpi
12.	<p>Khan, S.; Hussain, A.; Vahdani, Y.; Kooshki, H.; Hussien, B.M.; Haghighat, S.; Rasul, M.F.; Hidayat, H.J.; Hasan, A.; Edis, Z.; Haj Bloukh, S.; Kasravi, S.; Babadaei, M.M.N.; Sharifi, M.; Bai, Q.; Liu, J.; Hu, B.; Akhtari, K.; Falahati, M. Exploring the interaction of quercetin-3-O-sophoroside with SARS-CoV-2 main proteins by theoretical studies: A probable prelude to control</p>	Published	28.7. 2021	19	Co-author	Q1-A* 91%	Elsevier

	some variants of coronavirus including Delta. <i>Arabian Journal of Chemistry</i> 2021 , 14, 103353. https://doi.org/10.1016/j.arabjc.2021.103353 . Research						
13.	Khan, S.; Vahdani, Y.; Hussain, A.; Haghighat, S.; Heidari, F.; Nouri, M.; Bloukh, S.H.; Edis, Z.; Babadaei, M.M.N.; Ale-Ebrahim, M.; Hasan, A.; Sharifi, M.; Bai, Q.; Hassan, M.; Falahati, M. Polymeric micelles functionalized with cell penetrating peptides as potential pH-sensitive platforms in drug delivery for cancer therapy: A review. <i>Arabian Journal of Chemistry</i> 2021 , 14, 103264. https://doi.org/10.1016/j.arabjc.2021.103264 Review	Published	15.6. 2021	15	Co-author	Q1-A* 91%	Elsevier
14.	Edis, Z.; Bloukh, S.H. Facile Synthesis of Bio-Antimicrobials with “Smart” Triiodides. <i>Molecules</i> 2021 , 26, 3553. https://doi.org/10.3390/molecules26123553 . Research DGSR Grant No: 2020-IRG-PH-10 ACS Fall2021 Oral Presentation: https://doi.org/10.1021/scimeetings.1c01288	Published 1SR	10.6. 2021	2	Main and corresponding author	Q2 74%	Mdpi
15.	Goorabjavari, S.V.M.; Golmohamadi, F.; Haririmonfared, S.; Ahmadi, H.; Golisani, S.; Yari, H.; Hasan, A.; Edis, Z.; Ale-Ebrahim, M.; Sharifi, M.; Rasti, B.; Nemati, F.; Falahati, M. Thermodynamic and anticancer properties of inorganic zinc oxide nanoparticles synthesized through co-precipitation method. <i>Journal of Molecular Liquids</i> 2021 , 330, art. no. 115602. DOI: 10.1016/j.molliq.2021.115602 https://doi.org/10.1016/j.molliq.2021.115602 Research	Published	8.2.2021	13	Co-author	Q1-A* 92%	Elsevier
16.	Edis, Z.*; Raheja, R.; Bloukh, S.H.; Bhandareh, R.R.; Sara, H.A.; Reiss, G.J. Antimicrobial Hexaaquacopper(II) Complexes with Novel Polyiodide Chains. <i>Polymers</i> 2021 , 13, 1005. https://doi.org/10.3390/polym13071005 . Research DGSR Grant No: IRG-2018-A-PH-01	Published $\frac{1}{2}$ R	4.2021	6	Main and corresponding author	Q1 76%	Mdpi

	ACS Fall2022 Oral Presentation: https://doi.org/10.1021/scimeetings.2c00528					
17.	<p>BOOK (Chapter 9)</p> <p>Azelee, N.I.W.; Abdul Manas, N.H.; Man, R.C.; Mokhter, M.A.; Salamun, N.; Shaarani, S.M.; Mohamad, F.; Edis, Z. Challenges and Potential Applications of Plant and Microbial Based Biosurfactants in Cosmetic Formulations. In Microbial Surfactants. Vol. I: Production and Applications. 1st Ed.; Sayyed, R.Z.; El Enshasy, H.A.M.; Hameeda, B., Eds.; CRC Press, Taylor & Francis Group, 2021; pp. 174-195.</p> <p>ISBN: 978-0-367-52118-9 (hbk)</p> <p>ISBN: 978-0-367-52119-6 (pbk)</p> <p>ISBN: 978-1-003-05663-8 (ebk)</p> <p>Release: 15 August 2021.</p> <p>https://www.routledge.com/Microbial-Surfactants-Volume-I-Production-and-Applications/Sayyed-Enshasy-Hameeda/p/book/9780367521189</p> <p>Review</p>	Published	1-11-2021	8	Co-author	CRC Press, Taylor & Francis
18.	<p>Khan, S.; Babadaei, M.M.N.; Hasan, A.; Edis, Z.; Attar, F.; Siddique, R.; Bai, Q.; Sharifi, M.; Falahati, M. Enzyme–polymeric/inorganic metal oxide/hybrid nanoparticle bio-conjugates in the development of therapeutic and bio-sensing platforms. <i>Journal of Advanced Research</i> 2021, http://doi.org/10.1016/j.jare.2021.01.012</p> <p>Review</p>	Published	2-11-2021	9	Co-Author	Elsevier
19.	<p>Khan, S.; Sharifi, M.; Hasan, A.; Attar, F.; Edis, Z.; Bai, Q.; Derakhshankhah, H.; Falahati, M. Magnetic nanocatalysts as multifunctional platforms in cancer therapy through the synthesis of anticancer drugs and facilitated Fenton reaction. <i>Journal of Advanced Research</i> 2021, <i>30</i>, 171-184.</p> <p>https://doi.org/10.1016/j.jare.2020.12.001</p> <p>Review</p>	Published	5.2021	8	Co-Author	Elsevier

20.	<p>Edis, Z.; Wang, J.; Waqas, M.K.; Ijaz, M.; Ijaz, M. Nanocarriers-Mediated Drug Delivery Systems for Anticancer Agents: An Overview and Perspectives. <i>International Journal of Nanomedicine</i> 2021, 16, 1313–1330.</p> <p>http://doi.org/10.2147/IJN.S289443</p> <p>https://pubmed.ncbi.nlm.nih.gov/33628022/</p> <p>Review</p>	Published	2-2021	5	Co-Author	Q1-A	Dove Press
21.	<p>Talaei, A.J.; Zarei, N.; Hasan, A.; Haj Bloukh, S.; Edis, Z.; Gamasae, N.A.; Heidarzadeh, M.; Babadaei, M.M.N.; Shahpasand, K.; Sharifi, M.; Akhatri, K.; Khan, S.; Xue, M.; Falahati, M.</p> <p>Fabrication of inorganic alumina particles at nanoscale by a pulsed laser ablation technique in liquid and exploring their protein binding, anticancer and antipathogenic activities. <i>Arabian Journal of Chemistry</i> 2021, 14, 102923.</p> <p>https://doi.org/10.1016/j.arabjc.2020.102923</p> <p>Research</p>	Published	12-2020	14	Co-Author	Q1-A* 91%	Elsevier
22.	<p>Khan, S.; Sharifi, M.; Haj Bloukh, S.; Edis, Z.; Rabee, S.; Falahati, M.</p> <p>In vivo guiding inorganic nanozymes for biosensing and therapeutic potential cancer, inflammation and microbial infection. <i>Talanta</i> 2021, 224, 121805.</p> <p>https://doi.org/10.1016/j.talanta.2020.121805</p> <p>Review-(Promotion-additional paper)</p>	Published	2021	6	Co-Author	Q1-A*	Elsevier
23.	<p>Yousefvand, P.; Mohammadi, E.; Zhuang, Y.; Haj Bloukh, S.; Edis, Z.; Gamasae, N.; Zanganeh, H.; Mansour, F.N.; Haidarzadeh, M.; Attar, F.; Babadaei, M.M.N.; Keshtali, A.B.; Shahpasand, K.; Sharifi, M.; Falahati, M.; Cai, Y.</p> <p>Biothermodynamic, antiproliferative and antibacterial properties of synthesized copper oxide</p>	Published	2.11.2020	16	Co-Author	Q1-A*	Elsevier

	nanoparticles. <i>Journal of Molecular Liquids</i> 2021 , 324, 114693. https://doi.org/10.1016/j.molliq.2020.114693 Research						
24.	Ahmadabad, L.E.; Kalantari, F.S.; Liu, L.; Hasan, A.; Gamasaee, N.A.; Edis, Z.; Attar, F.; Ale-Ebrahim, M.; Rouhollah, F.; Babadaei, M.M.N.; Sharifi, M.; Shahpasand, K.; Akhtari, K.; Falahati, M.; Cai, Y. Hydrothermal method-based synthesized tin oxide nanoparticles: Albumin binding and antiproliferative activity against K562 cells. <i>Materials Science & Engineering C</i> 2021 , 119, 111649. https://linkinghub.elsevier.com/retrieve/pii/S0928493120335670 https://doi.org/10.1016/j.msec.2020.111649 Research-(Promotion)	Published	10-2020	15	Co-Author	Q1-A*	Elsevier
25.	Sharifi, M.; Hasan, A.; Taghizadeh, A.; Haghighat, S.; Attar, F.; Bloukh, S.H.; Edis, Z.; Xue, M.; Khan, S.; Falahati, M. Rapid diagnostics of coronavirus disease 2019 in early stages using nanobiosensors: challenges and opportunities. <i>Talanta</i> 2021 , 223(1), 121704. https://doi.org/10.1016/j.talanta.2020.121704 Review	Published	10-2020	10	Co-Author	Q1-A*	Elsevier
26.	Gite, A.B.; Palve, B.M.; Gaikwad, V.B.; Jain, G.H.; Pathan, H.M.; Haj Bloukh, S.; Edis, Z.* A Facile Chemical Synthesis of PbTe Nanostructures at Room Temperature. <i>Nanomaterials</i> 2020 , 10, 1915. https://www.mdpi.com/2079-4991/10/10/1915 Research-(Promotion-additional paper)	Published	9-2020	7	Corresponding-Author	Q2	Mdpi
27.	Edis, Z.*; Haj Bloukh, S. Facile synthesis of antimicrobial Aloe Vera-“smart” Triiodide-PVP biomaterials. <i>Biomimetics</i> 2020 , 5, 45. https://www.mdpi.com/829482	Published	9-2020	2	Main	Q3 C	Mdpi

	https://doi.org/10.3390/biomimetics5030045 Research DGSR Grant No: 2020-IRG-PH-10 NOT MENTIONED in ARTICLE Research-(Promotion)						
28.	Hussain, A.; Hasan, A.; Babadaei, M.M.N.; Haj Bloukh, S.; Edis, Z.; Rasti, B.; Sharifi, M.; Falahati, M. Application of gelatin nanoconjugates as potential internal stimuli-responsive platforms for cancer drug delivery. <i>Journal of Molecular Liquids</i> 2020 , 318, 114053. https://doi.org/10.1016/j.molliq.2020.114053 . Review	Published	8-2020	8	Co-Author	Q1-A*	Elsevier
29.	Haj Bloukh, S.; Edis, Z.*; Shaikh, A.A.; Pathan, H.M. A Look Behind the Scenes at COVID-19: National Strategies of Infection Control and Their Impact on Mortality. <i>Int. J. Environ. Res. Public Health</i> 2020 , 17, 5616. doi: 10.3390/ijerph17155616. https://doi.org/10.3390/ijerph17155616 . Research	Published	6-2020	4	Corresponding-Author	Q2 B	Mdpi
30.	Shaik, A.B.; Bhandare, R.R.; Nissankararao, S.; Edis, Z.; Tangirala, N.R.; Shahanaaz, S.; Rahman, M.M. Design, Facile Synthesis and Characterization of Dichloro Substituted Chalcones and Dihydropyrazole Derivatives for Their Antifungal, Antitubercular and Antiproliferative Activities. <i>Molecules</i> 2020 , 25, 3188. https://doi.org/10.3390/molecules25143188 . Research-(Promotion)	Published	7-2020	7	Co-Author	Q2 B	Mdpi
31.	Babadaei, M.M.N.; Hasan, A.; Haj Bloukh, S.; Edis, Z.; Sharifi, M.; Kachoei, E.; Falahati, M. The expression level of angiotensin-converting enzyme 2 determine the severity of COVID-19: lung and heart tissue as targets. <i>J. Biomol. Struct. Dynam.</i> 2020 . https://doi.org/10.1080/07391102.2020.1767211 Review	Published	6-2020	7	Co-Author	Q3 C	Taylor and Francis

32.	<p>Shaikh, V.S.; Nazeruddin, G.M.; Shaikh, Y.I.; Haj Bloukh, S.; Edis, Z.; Pathan, H.M. A Recapitulation of Virology, Modes of Dissemination, Diagnosis, Treatment, and Preventive measures of COVID-19: A Review. <i>Engineered Science</i> 2020, <i>10</i>, 11-23. doi: 10.30919/es8d1009. https://doi.org/doi: 10.30919/es8d1009 Review</p>	Published	5-2020	6	Co-Author	Q1-A*	Engineered Science
33.	<p>Edis, Z.*; Haj Bloukh, S.; Ibrahim, M.R.; Abu Sara, H. "Smart" antimicrobial nanocomplexes with potential to decrease surgical site infections (SSI). <i>Pharmaceutics</i> 2020, <i>12</i>(4), 361. 10.3390/pharmaceutics12040361 https://doi.org/10.3390/pharmaceutics12040361 Research-(Promotion) DGSR Grant No: IRG-2017-A-PH-04 ACSSpring2022-Poster Presentation https://doi.org/10.1021/scimeetings.2c00058</p>	Published	4-2020	4	Main	Q2 B	Mdpi
34.	<p>Zehra Edis*, Samir Haj Bloukh, Waseemul Islam, Sabreena Ait Gacem. Hsp90 as Drug Target Against Bacterial and Fungal Infections <i>Current Chemical Biology</i> 2020, <i>14</i>, 1-16. https://doi.org/10.2174/2212796814666200309113100 Review</p>	Published	3-2020	4	Corresponding-Author	Q3 C	Bentham Science
35.	<p>Haj Bloukh, S.; Edis, Z.* Structure and Antimicrobial properties of bis(1,4,7,10-tetraoxacyclododecane-κ4O,O',O'',O''')cesium penta iodide, C₁₆H₃₂CsI₅O₈. <i>Zeitschrift für Kristallographie - New Crystal Structures</i> 2020, <i>235</i>(3), 759-761, doi:10.1515/ncrs-2020-0057. doi: https://doi.org/10.1515/ncrs-2020-0057. Research-(Promotion-additional paper)</p>	Published	2-2020	2	Corresponding-Author	Q4 C	DeGruyter

	DGSR Grant No: 2019-IRG-PH-05						
36.	<p>Haj Bloukh, S.; Edis, Z.* Halogen bonding in Crystal structure of bis(1,4,7,10-tetraoxacyclododecane-κ4O,O',O'',O''')cesium triiodide, C₁₆H₃₂CsI₃O₈. <i>Zeitschrift für Kristallographie - New Crystal Structures</i> 2020, 235(3), 717-719.</p> <p>https://doi.org/10.1515/ncrs-2019-0915.</p> <p>Research</p> <p>DGSR Grant No: IRG-2018-A-PH-01</p>	Published	2-2020	2	Corresponding-Author	Q4 C	DeGruyter
37.	<p>Nihal A. Ibrahim*, Zehra Edis, Klaitham S. Al-Owais. Adherence of geriatric patients and their beliefs toward their medicines in the United Arab Emirates. <i>J Pharm Bioall Sci</i> 2020, 12, 22-30.</p> <p>https://doi.org/10.4103/jpbs.JPBS_93_19</p> <p>http://www.jpbonline.org/text.asp?2020/12/1/22/277205</p> <p>Research</p>	Published	1-2020	3	Co-Author	Q2 C	
38.	<p>Edis, Z.*; Haj Bloukh, S.; Abu Sara, H.; Bhakhoa, H.; Rhyman, L.; Ramasami, P. "Smart" triiodide compounds: Does halogen bonding influence antimicrobial activities? <i>Pathogens</i> 2019, 8, 182–202, doi:10.3390/pathogens8040182.</p> <p>https://doi.org/10.3390/pathogens8040182</p> <p>Research-(Promotion)</p> <p>DGSR Grant No: IRG-2017-A-PH-04</p> <p>DGSR Grant No: IRG-2018-A-PH-01</p>	Published	10-2019	6	Main	Q2 B	Mdpi
39.	<p>Reda, M.; Ashames, A.; Edis, Z.; Bloukh, S.; Bhandare, R.; Abu Sara, H. Green Synthesis of Potent Antimicrobial Silver Nanoparticles Using Different Plant Extracts and Their Mixtures. <i>Processes</i> 2019, 7, 510, doi:10.3390/pr7080510.</p> <p>https://doi.org/10.3390/pr7080510.</p> <p>Research-(Promotion)</p> <p>DGSR Grant No: IRG-2018-A-PH-09</p>	Published	8-2019	6	Co-author	Q3 C	Mdpi

40.	Samir Issa Bloukh, Zehra Edis, Mohammad Waseemul Islam, Sabrina Ait Gacem *, Latifa Saeed, Amna Sultan, ASSESSMENT OF DEPRESSION STATUS AMONG ADOLESCENTS AND ADULTS IN UAE, <i>Int. Res. J. Pharm.</i> 2019, 10(5). Research	Published	2019	6	Co-Author	Q3	
41.	Moyad Shahwan *, Haya Yasin, Zehra Edis, Abdulhaq Suliman, Reem Al-Azawi, Saghar Mohammadi, Momene Noor, PREVALENCE OF DIABETES, HYPERTENSION AND OBESITY AND ASSOCIATED FACTORS AMONG STUDENTS OF AJMAN UNIVERSITY, UNITED ARAB EMIRATES, <i>Int. Res. J. Pharm.</i> 2019, 10(5). Research	Published	2019	7	Co-Author	Q3	
42.	Edis, Z.*; Haj Bloukh, S.; Ashames, A.; Ibrahim, M. Copper-Based Nanoparticles, Their Chemistry and Antibacterial Properties: A Review. In <i>Chemistry for a Clean and Healthy Planet</i> ; Springer International: Berlin/Heidelberg, Germany, 2019; pp. 401–428. doi: 10.1007/978-3-030-20283-5_24 . Review Research-(Promotion-additional paper) DGSR Grant No: IRG-2018-A-PH-02	Published-Springer	9-2019	4	Main		Springer Nature Proceedings ICPAC20 20
43.	Islam, M.W.; Bloukh, S.H.; Edis, Z.; Bhandare, R.R. Emerging Phytochemicals and Bioactive Compounds from a Desert Plant <i>Prosopis cineraria</i> (L.) Druce and Future Prospects. In <i>Chemistry for a Clean and Healthy Planet</i> , 1st ed.; Ramasami, P., Gupta Bhowon, M., Jhaumeer Lallloo, S., Li Kam Wah, H., Eds.; Springer Nature AG: Cham, Switzerland, 2019; pp. 19-51, ISBN: 978-3-030-20282-8, doi:10.1007/978-3-030-20283-5_2. Review	Published-Springer	9-2019	4	Co-Author		Springer Nature Proceedings ICPAC20 20
44.	Nihal Abdalla Ibrahim *, Zehra Edis, Klaithem Salem Al-Owais ROLE OF PHYSICIANS IN DRUG ADHERENCE OF GERIATRIC PATIENTS IN THE UNITED ARAB EMIRATES. <i>Int. Res. J. Pharm.</i> 2018, 9 (9). Research	Published	2018	3	Co-Author	Q2 C	

45.	Edis, Z.*; Haj Bloukh, S.; Qassim, S.; Al-Hariri, Y. Health status and knowledge of vitamin D deficiency among female pharmacy and dentistry students in Ajman, UAE. <i>Int. Res. J. Pharm.</i> 2018 , 9(8), 36-41, http://dx.doi.org/10.7897/2230-8407.098161 . Research	Published	2018	4	Main	Q3	
46.	Haj Bloukh, S.*; Edis, Z.; Qassim, S.; Al-Hariri, Y. Vitamin D deficiency practice among female medical students in Ajman, UAE. <i>Int. Res. J. Pharm.</i> 2018 , 9(7), 53-58 http://dx.doi.org/10.7897/2230-8407.097125 . Research	Published	2018	4	Co-Author	Q3	
47.	Al-Ani, M.A.; Hassan, N.; Edis, Z., Bloukh, S. H.; Shahwan, M. Prevalence of Self-Medication among Medical and Non-Medical Students at Ajman University. <i>European Journal of Pharmaceutical and Medical Research</i> 2017 , 4(3), p. 141-144. Research	Published	2017	5	Co-Author		
48.	Al-Ani, M.A.; Hassan, N.; Edis, Z., Bloukh, S. H.; Shahwan, M. Common Health Complaint Reported by Students according to Specialization and Gender Regarding Self-Medication at Ajman University <i>European Journal of Pharmaceutical and Medical Research</i> 2017 , 4(3), p. 137-140. Research	Published	2017	5	Co-Author		
49.	Al-Ani, M.A.; Hassan, N.; Edis, Z., Bloukh, S. H.; Shahwan, M. Common Adverse Effects Due to Self-Medication. <i>International Journal of Research</i> , 2016 [S.I.], v. 3, n. 04, p. 380-385. Research	Published	2016	5	Co-Author		
50.	Edis, Z.*; Bloukh, S. H. Vitamin D Deficiency- Main Factors Affecting The Serum 25-Hydroxyvitamin D ([25(Oh)D]) Status And Treatment Options. <i>International Journal of Research</i> , 2016 [S.I.], v. 3, n. 01, p. 197-211, jan. 2016. ISSN 2348-6848. Available at: https://edupediapublications.org/journals/index.php/IJR/article/view/3692 . Review	Published	2016	2	Main		
51.	Edis, Z.*; Bloukh, S. Preparation, Structural and Spectroscopic Characterization of Triiodides [M(12-	Published-DeGruyter	2014	2	Main	Q4	DeGruyter

	<i>Crown-4</i>) ₂]/ ₃ with M=Na and Rb; <i>Z. Naturforsch.</i> 2014 , 69b, 995-1002. Research						
52.	Edis, Z.*; Bloukh, S. , <i>Preparation, Structural and Spectroscopical Characterization of a Pentaiodide [Rb(12-Crown-4)₂]₅</i> ; <i>Z. Naturforsch.</i> 2013 , 68b, 1340-1346. Research	Published-DeGruyter	2013	2	Main	Q4	DeGruyter
53.	Edis, Z.; Tebbe, K.-F.; Gilles, T. „On Polyiodides of complex cations with 12-crown-4 as ligand“, ECM-18, European Crystallographic Meeting, IUCr, Prag 15.-20. August, 1998, Bulletin of the Czech and Slovak Crystallographic Association, Vol. 5, special issue B, ECM-18 posters - abstracts, C5-P12, 345, 1998. Research	Published	1998	3	Main		Proceedings

Book chapters

	Title	ISBN	Publisher
1.	BOOK (Chapter 9) Azelee, N.I.W.; Abdul Manas, N.H.; Man, R.C.; Mokhter, M.A.; Salamun, N.; Shaarani, S.M.; Mohamad, F.; Edis, Z. Challenges and Potential Applications of Plant and Microbial Based Biosurfactants in Cosmetic Formulations. In <i>Microbial Surfactants. Vol. I: Production and Applications</i> . 1 st Ed.; Sayyed, R.Z.; El Enshasy, H.A.M.; Hameeda, B., Eds.; CRC Press, Taylor & Francis Group, 2021; pp. 174-195. ISBN: 978-0-367-52118-9 (hbk) ISBN: 978-0-367-52119-6 (pbk) ISBN: 978-1-003-05663-8 (ebk) Release: 15 August 2021. https://www.routledge.com/Microbial-Surfactants-Volume-I-Production-and-Applications/Sayyed-Enshasy-Hameeda/p/book/9780367521189	ISBN-13: 978-0367521189 ISBN-10: 0367521180	CRC Press, Taylor & Francis Group
2.	Edis, Z.*; Haj Bloukh, S.; Ashames, A.; Ibrahim, M. Copper-Based Nanoparticles, Their Chemistry and Antibacterial Properties: A Review. In <i>Chemistry for a Clean and Healthy Planet</i> ; Springer International: Berlin/Heidelberg, Germany, 2019; pp. 401–428.	e-book ISBN: 978-3-030-20283-5 Hardcover	Springer International Publishing Proceedings

	doi: 10.1007/978-3-030-20283-5_24 . DGSR Grant No: IRG-2018-A-PH-02		
3.	Islam, M.W.; Bloukh, S.H.; Edis, Z.; Bhandare, R.R. Emerging Phytochemicals and Bioactive Compounds from a Desert Plant Prosopis cineraria (L.) Druce and Future Prospects. In Chemistry for a Clean and Healthy Planet, 1st ed.; Ramasami, P., Gupta Bhowon, M., Jhaumeer Lallloo, S., Li Kam Wah, H., Eds.; Springer Nature AG: Cham, Switzerland, 2019; pp. 19-51. ISBN: 978-3-030-20282-8, doi:10.1007/978-3-030-20283-5_2.	ISBN : 978-3-030-20282-8	Springer International Publishing Proceedings

Courses Taught (Last five years)

Courses Taught in (First Semester)	Courses Taught in (Second Semester)	Department
Pharmaceutical Organic Chemistry I	Pharmaceutical Organic Chemistry II	Department of Pharmaceutical Sciences, AU
General Chemistry	General Chemistry	College of Humanities, Art and Sciences
General Chemistry for Engineers	General Chemistry for Engineers	College of Engineering, AU
General Chemistry for Dentistry	General Chemistry for Dentistry	College of Dentistry, AU
	Analytical Chemistry II	Department of Pharmaceutical Sciences, AU
Inorganic Chemistry 1	Inorganic Chemistry 2	Department of Chemistry, University of Sharjah
General Chemistry	General Chemistry	Department of Chemistry, University of Sharjah
General Chemistry for MS	General Chemistry for MS	Department of Chemistry, University of Sharjah

Professional Experience

From/To (D,M,Y)	Job Title	Institution Name	Country
-----------------	-----------	------------------	---------

02/1998-01/2000	Scientific Employee	Akzo Nobel Chemicals	Germany
02/1999-01/2000	Scientific Employee	University of Cologne	Germany
4/1997 - 7/1999	PhD Scholarship Researcher and Scientific employer	University of Cologne	Germany
10/1999-11/1999	Internship with Research thesis: "Conductivity of Nanofilm-Baytron P"-Bayer AG	Bayer AG	Germany
9/2000-2/2014	Part Time Lecturer for General Chemistry for Engineering	Ajman University	UAE
2/2009-5/2009	Part Time Lecturer for General Chemistry	Sharjah University	UAE
9/2011-2/2014	Part Time Lecturer	Sharjah University	UAE
2/2014-8/2021	Assistant Professor	Ajman University	UAE
9/2021-now	Associate Professor	Ajman University	UAE

Professional Activity

No	Activity	Organization	Date/Since
1.	International Advisory Member of VCCA- Virtual Conference on Chemistry and its Applications	Mauritius University	Since 2020
2.	International Advisory Member of ICPAC- The International Conference on Pure and Applied Chemistry	Mauritius University	Since 2019
3.	Topic Associate Editor for Frontiers in Pharmacology of Infectious Diseases "Advances in synthesis, function, and antimicrobial therapeutic applications of metal-organic frameworks"	Frontiers	Since 2022-Oct
4.	Review Editor in "Pharmacology of Anti-Cancer Drugs"	Frontiers	Since 2022-March
5.	Member of Reviewer Board for MDPI since 2021	MDPI	Since 2021-Feb
6.	Reviewer for "Industrial & Engineering Chemistry Research", ACS (American Chemical Society)	ACS	Since 2020-Oct
7.	Reviewer for "Journal of Epidemiology and Global Health", Springer Nature since 2021	Springer Nature	Since

			2021-July
8.	Member of Editorial Board of Journal of Pharmacy Practice and Pharmaceutical Sciences-Ocimum Scientific Publishers	Journal of Pharmacy Practice and Pharmaceutical Sciences	Since 2018
9.	Member of Editorial Board of Open Access Journal of Toxicology-Juniper Publishers also Dr. Samir	Journal of Toxicology	Since 2017
10.	Editorial Member in American Journal of Applied Chemistry-Science Publishing Group	American Journal of Applied Chemistry	Since 2017
11.	American Chemical Society	ACS	Since 2017
12.	Fulbright Scholarship Grantee Project Title: Heterogeneous Catalysis with Cross-Linked LC-Assemblies Metal-Based Catalysis of Diels-Alder Reactions https://fulbrightscholars.org/node/1262226	Fulbright Visiting Scholar Program	1999
13.	Full Scholarship of the Graduiertenkolleg „Classification of phase transitions in crystalline compounds on account of structural and physical anomalies“	University of Cologne	03/1997 - 07/1999

Committees Work

- AU Library collection Development Committee
- AU Online learning steering committee member
- College Library Committee Head
- College Ethical Approval Committee Member
- College Events Committee Member
- College Video content Representative
- College School Visit Representative
- College QS ranking Support Representative

Honors and Awards

Awards

No	Title	Institution Name	Date
1.	Faculty Award in Teaching	Ajman University	May 2019
2.	SHORTLISTED Competitor <u>The Third Forum for Women in Research: QUWA:</u> Empowering Women in Research & Innovation, Sharjah University, UAE	Sharjah University	August 2022

3.	Best Student Research- 4th AU Student Research Day, AU (6.6.2021)	Ajman University	June 2021
4.	ICPAC-2018 Conference, Mauritius, June 2018, won the best Poster Presentation Award	Mauritius University, Mauritius	June 2018
5.	<u>Principal-Investigator 2022-23:</u> Deanship of Graduate Studies and Research has approved AU Funded Research Grant AY 2022-23 (IRG) for research proposal: “Secondary metabolites (SM) and metallic nanoparticles (MNP) mediated antimicrobial biomaterials with potential for infection control: AV-SM-PVP-I2 and SM-MNP” (Ref. No. 2022-IRG-PH-3). The approved budget for this research project is AED 48,850.	Ajman University	October 2021-September 2022
6.	<u>Co-Investigator 2022-23:</u> Deanship of Graduate Studies and Research has approved AU Funded Research Grant AY 2022-23 (IRG) for research proposal: “Bioactivity guided fractionation and mechanistic studies on phytoconstituents from a plant of family costaceae against colorectal adenocarcinomas and their possible antimicrobial properties.” (Ref. No. 2022-IRG-PH-2). The approved budget for this research project is AED 20,000	Ajman University	December 2022-September 2023
7.	<u>Principal Investigator 2021-22:</u> Deanship of Graduate Studies and Research has approved AU Funded Research Grant AY 2022-23 (IRG) for research proposal: “Secondary metabolites (SM) and metallic nanoparticles (MNP) mediated antimicrobial biomaterials with potential for infection control: AV-SM-PVP-I2 and SM-MNP” (Ref. No. 2022-IRG-PH-3). Approved budget for this research project is AED 48,850.	Ajman University	October 2021-September 2022
8.	<u>Principal Investigator 2021-22:</u> Deanship of Graduate Studies and Research has approved AU Funded Research Grant AY 2021-22 (IRG) for research proposal: “Antimicrobial properties of novel biopolymers [AV(PVP)n-PP]I3 (M=Na, AV=Aloe Vera, PVP, PP = Polyphenol) with potential uses against Surgical Site Infections (SSI), SARS-CoV-2 and further pandemics” (Ref.	Ajman University	October 2021-September 2022

	No. 2021-IRG-PH-2). Approved budget for this research project is AED 47,500 .		
9.	Principal Investigator 2020-21: College Research Committee (CRC) and College Dean, the Deanship of Graduate Studies and Research have approved an Internal Research Grant (IRG) 2019-20 for research proposal "Synthesis of novel polymeric bio synthesized nanocomposites M [AV(P)n]I ₃ (M=Na, AV=Aloe Vera, P = PVP) with, their antimicrobial activities on 10 pathogens, their impact on SARS-CoV-2 and further pandemics" (Ref. No. 2020-IRG-PH-10)	Ajman University	October 2020-September 2021
10.	Principal Investigator 2019-20: College Research Committee (CRC) and College Dean, the Deanship of Graduate Studies and Research have approved an Internal Research Grant (IRG) 2019-20 for research proposal " <i>Antimicrobial activity of polyiodide complexes of sandwiched Group I crown ethers-Optimization on 12-crown-4 and Computational analysis</i> " (Ref. No. 2019-IRG-PH-5)" In Cooperation with Mauritius University	Ajman University	October 2019-September 2020
11.	Principal Investigator 2018-19: College Research Committee (CRC) and College Dean, the Deanship of Graduate Studies and Research have approved an Internal Research Grant (IRG) 2018-19 research proposal "Antibacterial and antifungal properties of Polyiodides [M(crown ether) ₂]In (n=3, 5, 7) with Metaliodides MI (M= Rb, Cs and Cu) on <i>Escherichia coli</i> , <i>Streptococcus pyogenes</i> , <i>Streptococcus faecalis</i> , <i>Bacillus subtilis</i> , <i>Proteus mirabilis</i> , <i>Pseudomonas aeruginosa</i> and <i>Candida albicans</i> [Ref: IRG-2018-A-PH-01.	Ajman University	October 2018-September 2019
12.	Principal Investigator 2018-19: College Research Committee (CRC) and College Dean, the Deanship of Graduate Studies and Research have approved an Internal Research Grant (IRG) 2018-19 for research proposal "Synthesis and antimicrobial activity of copper iodide Nanoparticles (NPs) within polymer matrices on <i>Escherichia coli</i> , <i>Streptococcus pyogenes</i> , <i>Streptococcus faecalis</i> , <i>Bacillus subtilis</i> , <i>Proteus mirabilis</i> , <i>Pseudomonas aeruginosa</i> and <i>Candida albicans</i> . (Ref. No. IRG-2018-A-PH-02)"	Ajman University	October 2018-September 2019
13.	Co-Investigator 2018-19: College Research Committee (CRC) and College Dean, the Deanship of Graduate	Ajman University	October 2018-September 2019

	Studies and Research have approved an Internal Research Grant (IRG) 2018-19 for research proposal <i>“Comparative study of antimicrobial activity of various silver nanoparticles synthesized by different green methods”</i> [Ref: IRG-2018-A-PH-09].		
14.	Principal Investigator 2017-18: Received the Research Grant of Ajman University with the Number 2017-A-PH-04 Research Title: Antibacterial, antifungal activity of Polyiodides of Cupric iodide and Alkalimetaliodides MI (M=Li, Na, K) with crown ethers on <i>Escherichia coli</i> , <i>Streptococcus pyogenes</i> , <i>Enterococcus faecalis</i> , <i>Bacillus subtilis</i> , <i>Proteus mirabilis</i> , <i>Pseudomonas aeruginosa</i> , <i>Klebsiella pneumoniae</i> and <i>Candida albicans</i> mediated by DNA and membrane damage	Ajman University	October 2017-September 2018

Other Contributions and Achievements

▪ Presentations in Conferences

No	Year	Title	Event /location
1.	2022	Oral Presentation 18.10.2022 “Cu(II)-pentaiodides complexed in 12-crown-4: Structure and antimicrobial properties”	AMSCA 2022 (Advanced Materials Synthesis, Characterization and Applications 2022) Pune-India 18.-19.10.2022
2.	2022	Poster Presentation-Oral 24.8.2022 Antimicrobial Aloe-Vera-Trans-cinnamic acid-Iodine complex for infection control on surfaces https://doi.org/10.1021/scimeetings.2c00529	American Chemical Society - ACS Fall 2022 -Sustainability in a Changing World, 21.-25.8.2022
3.	2022	Oral Presentation 23.8.2022 “The active compounds in Aloe Vera as natural antimicrobial agents for cosmeceutical applications” https://www.facebook.com/ibdutm/videos/6079976268695563	Institute of Bioproduct Development (IBD) Date: 23rd August 2022 Time: 2.00pm (Malaysia time)/ 10.00am (UAE time)

4.	2022	Oral Presentation 22.8.2022 “Antimicrobial copper complexes with polymeric penta iodide chains” https://doi.org/10.1021/scimeetings.2c00528	American Chemical Society - ACS Fall 2022-Sustainability in a Changing World, 21.-25.8.2022
5.	2022	Oral Presentation “Aloe-Vera-Sage-iodine bioformulations with antimicrobial properties: Sustainable solutions for the basic public health care”	Invited Speaker “1st International Conference on Challenges in Sustainable Utilization and Management of Bioresources, IBA-SUMBio22” On 8-10 August 2022, held concurrently in Johor Bahru, Malaysia and Saltillo, Mexico
6.	2022	Presentation VCCA 2022 “Infection control through biomaterials on sutures, bandages and face masks”	Virtual Conference on Chemistry and its Applications (VCCA-2022) 8.-12th August 2022, Mauritius.
7.	2022	Invited Key-Speaker “Antimicrobial with Polyiodides”.	Webinar, BNCP Dr. Bhanuben Nanavati College of Pharmacy, India, 23.2.2022, 12:30-1:30 pm
8.	2022	Oral Presentation “PVP encapsulated antimicrobial plant polyphenol-AgNP-iodine biocomposites” https://doi.org/10.1021/scimeetings.2c00058	ACS Spring 2022, March 20-24, 2022 March 22, 2022, 7:00 PM - 9:00 PM
9.	2022	Oral Presentation “Antimicrobial lepidium sativum-silver nanoparticle biohybrids”	ACS Spring 2022, March 20-24, 2022 March 24, 2022, 12:00 PM - 2:00 PM

		https://doi.org/10.1021/scimeetings.2c00040	
10.	2021 Nov	<p>Presentation</p> <p>Microbicidal plant-AgNP biocompounds with “smart” triiodides</p> <p>https://sciforum.net/paper/view/11604</p> <p>https://doi.org/10.3390/ECMC2021-11604</p> <p>Cite as: Edis, Z.; Haj Bloukh, S.; Abu Sara, H. Microbicidal plant-AgNP biocompounds with “smart” triiodides, in Proceedings of the 7th International Electronic Conference on Medicinal Chemistry, 1–30 November 2021, MDPI: Basel, Switzerland, doi:10.3390/ECMC2021-11604</p>	<p>Published: 07 November 2021 by MDPI in 7th International Electronic Conference on Medicinal Chemistry session Round table on natural products</p>
11.	2021 Nov	<p>Presentation</p> <p>Antimicrobial copper complexes with polymeric penta iodide chains</p> <p>https://sciforum.net/paper/view/11602</p> <p>https://doi.org/10.3390/ECMC2021-11602</p> <p>Cite as: Edis, Z.; Haj Bloukh, S.; Abu Sara, H.; Raheja, R.; Bandareh, R.R.; Reiss, G.J. Antimicrobial copper complexes with polymeric penta iodide chains, in Proceedings of the 7th International Electronic Conference on Medicinal Chemistry, 1–30 November 2021, MDPI: Basel, Switzerland, doi:10.3390/ECMC2021-11602</p>	<p>Published: 07 November 2021 by MDPI in 7th International Electronic Conference on Medicinal Chemistry session Round table on natural products</p>
12.	2021 Nov	<p>Presentation</p> <p>Bioformulations of Sage-Aloe Vera-PVP and “smart” triiodides with antimicrobial properties</p> <p>https://sciforum.net/paper/view/11603</p>	<p>Published: 07 November 2021 by MDPI in 7th International Electronic Conference on Medicinal Chemistry session Round table on natural products</p>

		https://doi.org/10.3390/ECMC2021-11603 Cite as : Edis, Z.; Haj Bloukh, S.; Abu Sara, H. Bioformulations of Sage-Aloe Vera-PVP and “smart” triiodides with antimicrobial properties, in Proceedings of the 7th International Electronic Conference on Medicinal Chemistry, 1–30 November 2021, MDPI: Basel, Switzerland, doi:10.3390/ECMC2021-11603	
13.	2021 Aug	Online Presentation Plant polyphenols-Aloe Vera Barbadensis Miller – iodine hybrids and their antimicrobial properties with the potential to prevent surgical site infections https://acs.digitellinc.com/acs/live/21/page/411/1?eventSearchInput=Zehra+Edis# and https://www.morressier.com/article/iplant-polyphenols-aloe-verai-ibarbadensis-miller-iiodine-hybrids-antimicrobial-properties-potential-prevent-surgical-site-infections/612e2cebcb003360fe3a9d65 DOI https://doi.org/10.1021/scimeetings.1c01288 DGSR Grant No: 2020-IRG-PH-10	American Chemical Society - ACS Fall 2021-Resilience of Chemistry, 22.-26.8.2021
14.	2021 Aug	Online Presentation Synthesis of polymeric biohybrids of Aloe Vera (AV)-PVP and smart Triiodides https://web.uom.ac.mu/sites/vcca2021/loginp.asp http://sites.uom.ac.mu/vcca2021/	Virtual Conference on Chemistry and its Applications VCCA 2021 Research and Innovations in Chemical Sciences, 9.-13.8.2021

		DGSR Grant No: 2020-IRG-PH-10	
15.	2021 July	Online Presentation Aloe Vera Biocomposites with smart Triiodides DGSR Grant No: 2020-IRG-PH-10	International Faculty Development program Chandigarh University, India, 5.-10.7.2021
16.	2020 Nov	Online Presentation Antimicrobial properties of <i>Lepidium satvium</i> L. based green synthesis of Silver Nanoparticles https://sciforum.net/paper/view/conference/7263 DGSR Grant No: 2018-A-PH-09	6th International Electronic Conference on Medicinal Chemistry, 1-30 November 2020
17.	2020 Nov	Online Presentation Understanding Knowledge and Behaviors Related to COVID-19 Epidemic in United Arab Emirates Undergraduate Pharmacy Students: A Cross-Sectional Study https://sciforum.net/paper/view/conference/7307	6th International Electronic Conference on Medicinal Chemistry, 1-30 November 2020
18.	2020 Nov	Online Presentation Antimicrobial properties of PVP-encapsulated <i>Aloe Vera</i> -iodine hybrids https://sciforum.net/paper/view/conference/7275 DGSR Grant No: 2020-IRG-PH-10	6th International Electronic Conference on Medicinal Chemistry, 1-30 November 2020
19.	2020 Nov	Online Presentation Antimicrobial properties of PVP-encapsulated <i>Aloe Vera</i> -iodine compounds	5-6 November, 2020, Asian e-Conference on Engineered Science

		DGSR Grant No: 2020-IRG-PH-10	
20.	2020 Aug	<p>Online Presentation</p> <p>“Smart” antimicrobial nanocomplexes with Trans-Cinnamic Acid</p> <p>https://web.uom.ac.mu/sites/vcca2020/forum/forum_topics.asp?FID=356</p> <p>http://sites.uom.ac.mu/vcca2020/</p> <p>http://sites.uom.ac.mu/vcca2020/index.php/international-advisory-committee</p> <p>DGSR Grant No: IRG-2017-A-PH-04</p> <p>DGSR Grant No: IRG-2018-A-PH-01</p> <p>DGSR Grant No: 2019-IRG-PH-5</p>	<p>VCCA2020-August 1-31, online, Mauritius</p> <p>Virtual Conference on Chemistry and its Applications VCCA 2020 Research and Innovations in Chemical Sciences: Paving the Way Forward, 1.-31.8.2020, Presentation</p>
21.	2020 Jan	<p>Oral Presentation</p> <p>“Triiodides as Antimicrobial Agents in the Era of Antibiotic Resistance”</p> <p>DGSR Grant No: IRG-2018-A-PH-01</p> <p>DGSR Grant No: 2019-IRG-PH-5</p>	<p>ICARE2020- January 9-10, Nanded-India</p>
22.	2019 May	<p>Oral Presentation</p> <p>“Copperiodide Nanoparticles and their antimicrobial activities”</p> <p>DGSR Grant No: IRG-2018-A-PH-02</p>	<p>27th International Conference on Nanomedicine and Nanomaterials</p> <p>May 27-28, 2019 Istanbul, Turkey</p> <p>Theme: Evolving the Research Trends in Nanomaterials and Nanomedicine</p>
23.	2018 July	<p>Oral Presentation</p> <p>“Polyiodides: Structural aspects in antimicrobial activities”</p>	<p>The International Conference on Pure and Applied Chemistry (ICPAC 2018), 02-06 July 2018, Mauritius</p>

		DGSR Grant No: IRG-2017-A-PH-04	
24.	2016 May	Oral Presentation "Vitamin D Deficiency and Asthma"	International Conference on Asthma, Improving Lung Health, Ajman University, 9.-10.5.2017.

Training courses/Workshops/Seminars/Activities

1. **Harvard Graduate School of Education (HGSE):** "Online Teaching and Learning in Action" 2.11.-13.12.2022
2. **TLC (5 Points): Webinar** "Strategize Online assessments using online resources", 9.12.2022
3. **TLC (5 Points): Webinar/Workshop from CLICKS** (Center for Learning Innovations & Customized Knowledge Solutions): **"Strategic Planning"** 22 and 30.11.2022
4. **TLC (5 Points): Training** "Fuzzy-set Qualitative Comparative Analysis (fsQCA) Training Session", 23.11.2022, Student Hub, 1. Floor
5. AU Workshop "Workshop Conflict Management Styles" **presented by Dr. Zehra Edis**, (9.11.2022), AU Counseling Unit
6. AU Workshop "Mental and Physical Self-Care" **presented by Dr. Samir Bloukh**, moderated by **Dr. Zehra Edis**, (7.11.2022), AU Counseling Unit
7. IT-Training: AU-Connect Webinar, 19.10.2022
8. IT-Training: "Moodle Quizzes and Online Exams Best Practices", 12.10.2022
9. IT-Training: "Banner Features", 5.10.2022
10. IT-Training: "Communication methods in Moodle", 28.9.2022
11. **TLC (5 Points): Webinar/Workshop from CLICKS** (Center for Learning Innovations & Customized Knowledge Solutions): **CLICKS "Curriculum Mapping"**, 22.9.2022
12. **AU Workshop** "Refocusing in Times of Change", 21.9.2022, **AU Counseling Unit**, presented by Dr. Zehra Edis
13. **AU Workshop** "University and Life Success", 22.8.2022, **AU Counseling Unit**

14. AU Workshop “COVID-19: What you need to know” **presented by Dr. Samir Bloukh**, moderated by **Dr. Zehra Edis**, (21.4.2022), AU Counseling Unit, presented by Dr. Zehra Edis
15. **Harvard Graduate School of Education (HGSE)**: “The Online Classroom (TOC): Strategies for Higher Education Teaching and Learning”, 23.2.-24.3.2022.
16. **Key-Speaker**: Webinar with BNCP Dr. Bhanuben Nanavati College of Pharmacy, India: “Antimicrobial with Polyiodides”, 23.2.2022, 12:30-1:30 pm.
17. 1st International Forum of Education and Mental Health 2022, AU, Panelist
15.2.2022 @ 14.-15.2.2022, 11-12:30 pm
18. TLC (5Points) Webinar/Workshop with Academic Impressions: “Engaging All Learners with Universal Design for Learning”, 16.2.2022, 4-7 pm.
19. TLC (5 Points): Webinar/Workshop from CLICKS (**Center for Learning Innovations & Customized Knowledge Solutions**): “Constructing a high Quality Syllabus by Clicks” (19.1.2022, 10am-1pm).
20. IT training, AU “Online Class Attendance Automation system”- (12.1.2022, 11am-12pm) Cert
21. AU Workshop “Personal Values at new University Life” by **Dr. Zehra Edis**, (3.1.2022, 2:30-3:30 pm), AU Counseling Unit
22. IT training, AU “Banner Features: Track Attendance and Grade Entry”- (9.12.2021, 11am-12pm)
23. Webinar AU : “Developing a Culture of Inclusion” (7.12.2021, 2-3pm)
24. IT training, AU “Best Practices for Moodle Quizzes and Online Exams”- (6.12.2021, 10:30-11:30 am)
25. EXPO 2020 visit as Supervisor for students (6hrs credit)-November 2021
26. TLC (5Points) Webinar/Workshop with Academic Impressions: "Creating Agile courses" (5.12.2021, 4-7pm).
27. TLC (5Points) Webinar/Workshop with Academic Impressions: "Designing, Developing and Delivering Engaging online courses" (30.11.2021, 4-7pm).
28. TLC (5Points) Webinar/Workshop from CLICKS (**Center for Learning Innovations & Customized Knowledge Solutions**): “Joint Webinar with the QAA on Quality Assuring the Student Experience and Online Delivery” (29.11.2021, 12-4pm).
29. IT training, AU “Plan ahead-Academic Advising”- (23.11.2021, 10-11 am)

30. TLC (5points) Webinar/Workshop:" "Visual Thinking Strategies- Workshop"
(18.11.2021, 12pm). *"Developing Life-long Learning Competencies in Undergraduate Students through Visual Thinking Strategies."* The webinar features Mrs. Lynne Petersen (Academic Director, BPharm Program) and Dr. Trudi Aspden (Senior Lecturer) who are internationally recognized scholars from University of Auckland, New Zealand
31. Webinar: "Mitigation of Health Harms Climate Change" (1.11.2021)-Center of Medical and Bio-allied Sciences Research, AU
32. Saudi Vaccination Webinar (5.10.2021), 3 CPD accredited
33. Webinar: "Improving learning outcomes in the hybrid science classroom", Speaker: **Dr. Shefaly Shorey** (2021 Innovation in Instruction Award winner), Assistant Professor at the National University, Singapore, shares various methods for supporting online teaching and assessments in a nursing communication course. Dr. Shorey highlights how she incorporated blended learning pedagogy and virtual reality to facilitate skills-based communication training for year one nursing undergraduates, JoVE Science Education & Innovation in Instruction Awards Winners 2021, JoVE (6.10.2021)
34. Gulf HIV Expert Summit (1.-2.10.2021), 10 CPD accredited
35. **Webinar: AU Research Profiles (30 September 2021 / Thursday @ 12:30)**
36. **Webinar: QEDEX (29 September 2021 / Wednesday @ 1 pm)**
37. Webinar: "Moving traditionally in-person science courses online", Speaker: **Dr. Claudia Jorgensen** (2021 Innovation in Instruction Award winner), Associate Professor at Utah Valley University, USA, presents how she moved traditionally in-person science courses to completely remote sessions while establishing practices that enhance student learning. You will learn how to establish engaging and interactive content, asynchronous learning, an online student community, and a learner-centric teaching environment, JoVE Science Education & Innovation in Instruction Awards Winners 2021, JoVE (29.9.2021)
38. Webinar: "Actively engaging digitally native students with social media", Speaker: **Dr. Glenn Hurst** (2021 Innovation in Instruction Award winner), Associate Professor of Chemistry Education at the University of York, UK, shared how he utilised social media platforms to engage with students by creating 1-minute videos, allowing him to demonstrate critical techniques to use in the laboratory. JoVE Science Education & Innovation in Instruction Awards Winners 2021, JoVE (22.9.2021)

39. Webinar: Innovation@UAE Majlis - “How to Apply for a Patent in the UAE” hosted **Dr. Bong Lee** from Ministry of Economy in the United Arab Emirates, along with patent experts from UAE universities (20.9.2021)
40. IT training, AU “How to communicate with your students through Moodle”- (13.9.2021)
41. IT training, AU “Learning technologies supporting People of Determination”- (15.9.2021)
42. The Second Forum for Women in Research. QUWA: Empowering Women in Research & Innovation, Sharjah University, UAE (26.8.2021)
43. AU Workshop “Mindshift-Welcome to University” by **Dr. Zehra Edis**, (23.8.2021), AU Counseling Unit
44. AU Workshop presentation: “Vaccine for Coronavirus: Is it safe ?” by **Dr. Samir Haj Bloukh**, (7.6.2021), AU Counseling Unit
45. **CHANDIGARRH UNIVERSITY** presentation “Aloe Vera Biocomposites with smart Triiodides”, International Faculty Development program, Chandigarh University, India, 5.-10.7.2021
46. 4th AU Student Research Day, AU (6.6.2021)
47. **Webinar on Effectively Flipping your Course, 31.3.2021, AU, CLICKS (Center for Learning Innovations & Customized Knowledge Solutions)**
48. **Webinar: Banner Features**, 22.3.2021, IT Workshop
49. Webinar on “Drug Discovery Development and Delivery With a special focus on drug resistance, 21.3.2021
50. **Organized and attended the webinar “Computational Chemistry and its Applications in Pharmacy and Drug Development”**, by Prof. Ramasami, Mauritius University, 18.3.2021
51. **Webinar entitled “Critical Material Attributes and Critical Process Parameters: Important Pillars of Quality by Design (QbD)”** by Prof. Munira Momin, 23.2.2021
52. **Online presentation of ThermoFischer Scan electron microscope**, 25.2.2021
53. Zoom training for Academics-14.1.2021, AU
54. Webinar-How to publish and Promote Research-24.12.2020, AU
55. **Online Workshop: “Students Online Assessment; Purposes, Strategies and Tools” from November 21st to December 5th, 2020, AU, CLICKS (Center for Learning Innovations & Customized Knowledge Solutions)**
56. Workshop-Online Proctoring using Zoom-24.11.2020, AU

57. Workshop-Sedona Webinar for Faculty-24.11.2020, AU
58. Online training on Zoom Meetings-1.10.2020, AU
59. Workshop-Online training for Proctoring Exams-12.9.2020, AU
- 60. Online Workshop: Effective online Teaching, Learning and Assessment 15.8.-2.9.2020, AU, CLICKS (Center for Learning Innovations & Customized Knowledge Solutions)**
61. 8th Webinar on COVID-19 | Impact of COVID-19 on Routine Immunization, Reproduction and Pregnancy Outcome - <https://covid19-8.sciforum.net>
Speakers: Prof. Dr. Jon Øyvind Odland and Prof. Dr. Giovanni Gabutti, 30.6.2020
62. 7th Webinar on COVID-19 | Living with COVID-19: An Early Intervention Therapeutic Strategy to Control the Pandemic - <https://covid19-7.sciforum.net/>,
by Dr. Hamid Merchant, 24.6.2020
63. State-of-the-Art Webinar on COVID-19 Research - Survey on Symptoms/Signs, Protective Measures, Level of Awareness and Perception Regarding COVID-19 Outbreak among Dentists, <https://covid19-6.sciforum.net>.
Speakers: Prof. Dr. Guglielmo Campus and Prof. Dr. Maria Grazia Cagetti, 23.6.2020
- 64. “Student Assessment” organized by “CLICKS (Center for Learning Innovations & Customized Knowledge Solutions)” 15.-21.4.2020, AU-Online by blackboard sessions**
65. Blackboard Collaborate Training-Online courses training by IT (11.-12.3.2020)
66. Advance feature of Turnitin (Feedback Studio), 4.3.2020
67. Learning Management System (Moodle) and Banner system- session 2- 24.2.2020
68. Learning Management System (Moodle) and Banner system- session 1- 17.2.2020
69. Workshop presentation by Dr. Samir Haj Bloukh “Corona Virus”, 4.02.2020, cooperation with Students Counseling Unit, Ajman University, Student Hub, Continuing Education center, 2.Floor.
70. Workshop presentation by me “Human Values we all should share”, 15.01.2020, cooperation with Deanship of Students Affairs, Students Counseling Unit, Ajman University, Student Hub, Continuing Education center, 2.Floor.
71. Workshop by Alaa Alamiri “First Aid”, 13.01.2020, Ajman University, Student Hub, Continuing Education center, 2.Floor.
72. Workshop “Plan Ahead Session” 23.12.2019-for Student advising on System

73. Workshop “Fire safety Awareness” 10.12.2019 Ajman University, Student Hub, Continuing Education center, 2.Floor.
74. Workshop “Sedona Training” Sedona Training Session by Dr. Jonathan Woodroof, HR, 05.11.2019, Student Hub, Continuing Education center 12:30-1:30, AU
75. Workshop presentation by me “What matters in Student Life”, 10.09.2019, cooperation with Deanship of Students Affairs, Students Counseling Unit, Ajman University, Student Hub, Continuing Education center, 2.Floor.
76. Workshop presentation by me “ABC of Success”, 07.05.2019, cooperation with Deanship of Students Affairs, Students Counseling Unit
77. Workshop Office of Career and Placement Student Hub, Continuing Education center, 2.Floor “The way to success”, 22.10.2019, 5:00 pm - 8:00 pm
78. **Debater in AU-Debate** Debater “Social Media: A Boon or Bane for society and individuals, Student Hub, Continuing Education center, 2.Floor, 1.10.2019, 12:30-1:30 pm, AU
79. **Debater in the first AU-Debate** “The Role of Technology in the Future”, Student Affairs, Sheikh Zayed Hall, 12:30-1:45 pm, AU
80. Seminar on Raman by Horiba, 11.03.2019, 12:30-1:45 pm, AU
81. Seminar on FE-SEM by TESCAN, 11.03.2019, 10-11:30 am, AU
82. Workshop on “Plagiarism”, 21.02.2019, AU
83. Blackboard collaborate training session, 06.02.2019, AU
84. Seminar on SEM by TESCAN, 05.02.2019, AU
85. Course Assessment Workshop, 26.11.2018, AU
86. DGSR Seminar (Pharmacy, Dentistry, Medicine), 23.10.2018, AU
87. Scantron Workshop training session organized by me in the Faculty of Pharmacy and Health Sciences, 1.-02. October 2018
88. “Essential Skills for Advancing Research Output”, Professional development workshop, Ajman university, 29. September 2018
89. Scantron Workshop training session organized by me in the Faculty of Pharmacy and Health Sciences, 24. September 2018
90. Update Banner System, 23. May 2018
91. Utilizing CAP for Assessment of CLOs and PLOs, 21. May 2018
92. Seminar on SEM by Fisher Scientific, May 2018 and 05.02.2019, AU
93. Seminar on SEM by JEOL, May 2018, AU
94. Turnitin and IThenticate, 19. April 2018

95. Office 365 Training, March 15, 2018
96. Smart Room Training „Active learning – to inspire and learn with Barco”17. Jan 2018
97. E-Request System Training, 11. January 2018
98. Workshop on Implementing the Banner System, 10. December 2017
99. CAP Assessment, Nov 26, 2017
100. Scantron Workshop training session organized by me in the Faculty of Pharmacy and Health Sciences, 30. October 2017
101. Vitalsource Bookshelf- E-Book training-MOODLE workshop, September 2017
102. Advanced MOODLE training Workshop: provided by Dr Said Lazar. AU, March 2017.
103. The International Services Program Certification Workshop. One-day workshop on ACPE International certification organized by Ajman University at Ajman Saray Hotel, UAE and delivered in cooperation between UAE CAA and ACPE International of USA. 29th of November 2016.
104. Moodle E-Learning System (Advanced Level), Ajman University of Science and Technology, 30 March 2016.

Conferences/Competitions

1. **5th Annual Student Research Competition**, American University in the Emirates 11.11.2022 “Garlic-mediated biosynthesis of silver nanoparticles and their antimicrobial properties” and “Antimicrobial activities of Green Tea-Aloe Vera-biohybrids and their potential use for infection control” 2 Oral Presentations.
2. AMSCA 2022 (Advanced Materials Synthesis, Characterization and Applications 2022), Pune-India, 18.-19.10.2022, 1 Oral Presentation-online
3. **The Third Forum for Women in Research: QUWA: Empowering Women in Research & Innovation, Sharjah University, UAE, 25.8.2022-SHORTLISTED Competitor**
4. Institute of Bioproduct Development (IBD), Malaysia, (23.08.2022), 1 Oral Presentation-online
5. SUMBio2022, Malaysia (08.-09.09.2022), 1 Oral Presentation-online
6. VCCA2022 – Resilience and Sustainable Research through Basic Sciences, Mauritius (08.-12.-08.2022), oral presentation-online

7. **American Chemical Society - ACSFall2022**-Sustainability in a Changing World (21.-25.08.2022) (1 Oral and 1 poster Presentation) -online
8. **5th AU Student Research Day, 10.6.2022,** "Garlic-mediated biosynthesis of silver nanoparticles and their antimicrobial properties" **and** "Antimicrobial activities of Green Tea-Aloe Vera-biohybrids and their potential use for infection control" **2 Oral Presentations.**
9. **American Chemical Society - ACS Spring 2022**-Bonding through Chemistry, 22.-24. March 2021, Two oral Presentations on 22.- and 24.3.2022-online
10. 1st International Forum of Education and Mental Health 2022, AU, Panelist 15.2.2022 @ 14.-15.2.2022, 11-12:30 pm
11. 7th International Electronic Conference on Medicinal Chemistry, 1-30 November 2021, three online presentations
12. Gulf HIV Expert Summit (1.-2.10.2021), CME accredited
13. **The Second Forum for Women in Research: QUWA: Empowering Women in Research & Innovation, Sharjah University, UAE, 26.8.2021**
14. **American Chemical Society - ACS Fall 2021**-Resilience of Chemistry, 22.-26. August 2021, Oral Presentation on 25.8.2021
15. Virtual Conference on Chemistry and its Applications VCCA 2021 Chemical Sciences for the new Decade, Presentation, 9.-13. August 2021
16. International Faculty Development program, Chandigarh University, India, 5.-10.7.2021, Oral Presentation
17. 6th International Electronic Conference on Medicinal Chemistry, 1-30 November 2020, three online presentations
18. Asian E Conference, online, 5-6. November 2020, Keynote Speaker of Online Presentation
19. Virtual Conference on Chemistry and its Applications VCCA 2020 Research and Innovations in Chemical Sciences: Paving the Way Forward, 1.-31.8.2020, Presentation
20. ICARE2020- 9.-10. January 2020, Nanded-India, Oral Presentation
21. ICPM2019- 19.-21. November 2019, Ajman University, Oral Presentation
22. Nanomed 2019, May 2019, Istanbul, Speaker and Chairperson of Sessions
23. DUPHAT, March 2019, Event committee activities for the attendance of students
24. Conference ICPAC, Mauritius 1.6.-5.6.2018 Speaker and Chairperson of Session

25. ICPAC, Mauritius 1.6.-5.6.2018 won best Poster presentation
26. DUPHAT, March 2018, Poster presentation
27. ICPM 2018, Chairperson
28. Head and Member of the Conference Committee for Vitamin D Deficiency 2016-2017
29. Head and Speaker in Vitamin D Day in AU, 27.4.2017
30. Member of Conference organization and Key Note Speaker “Asthma-Improving lung health in UAE” 9.-10. May 2016 with the Title “Vitamin D Deficiency and Asthma”
31. Improving Lung Health in the UAE: Ajman University, UAE.
32. “Chronic Obstructive Pulmonary Disease (COPD) and Smoking Cessation Conference”, Ajman University of Science and Technology, 14 May 2015
33. World Asthma Day”, Ajman University of Science and Technology, 06 May 2014
34. Symposium on “Chemistry & Environment 2013”, University of Sharjah, 16. May 2013.
35. “Stem Cells : from Theory to Practice”, Ajman University of Science and Technology, 03-04 December 2011.
36. 6th Scientific Congress of the Association of the Pharmacy Colleges in the Arab World and the 1st International Conference of the Faculty of Pharmacy and Health Sciences, Ajman University, 19.-21.10.2002.