



## Curriculum Vitae Template

### Personal Information

<b>Name</b>	Zead helmi mahmoud abudayeh
<b>Academic Rank</b>	Associate professor
<b>Nationality</b>	Jordanian
<b>Address</b>	Amman- Al-Jweideh
<b>Contact Information</b>	
<b>Phone</b>	+962797318037
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<b>Research gate</b>	<a href="https://www.researchgate.net/profile/Zead_Abudayeh">https://www.researchgate.net/profile/Zead_Abudayeh</a>
<b>Google scholar</b>	<a href="https://scholar.google.com/citations?user=ktCUB1cAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=ktCUB1cAAAAJ&amp;hl=en</a>



### Academic Qualification

Degree	Major	Awarding University	Duration		Country
			From	Year of Awarding	
Bachelor's	Pharmacist	O.O.Bogomolets National Medical University	2001	2006	Ukraine, Kyiv
Doctor of Philosophy	Pharmaceutical Chemistry and Pharmacognosy	Danylo Halytsky Lviv National Medical University	2008	2012	Ukraine, Kyiv



## Academic Experience

Duration (Years)	University	Position	Main Duties
2020- till the present time	Isra University, Faculty of Pharmacy	Associate professor	<b>Lecturer:</b> Pharmacognosy Chemistry of natural products Applied pharmacognosy Medicinal chemistry LAB Chemistry of natural products LAB Organic chemistry LAB Advanced phytochemistry for masters students Supervision MSc
2013 – 2019	Isra University, Faculty of Pharmacy	Assistant professor	<b>Lecturer:</b> Pharmacognosy Chemistry of natural products Applied pharmacognosy Medicinal chemistry LAB Chemistry of natural products LAB Organic chemistry LAB Advanced phytochemistry for masters students Supervision MSc

## Professional Experience

Duration (Years)	Institution	Job title	Main duties
2019 – 2020	Isra University	Head of the Basic Pharmaceutical Sciences- Faculty of Pharmacy	Lecturer and administrative duties
2020-2023	Isra University	Head of the Applied Pharmaceutical Sciences- Faculty of Pharmacy	Lecturer and administrative duties
2008-2010	Glenmark Pharmaceuticals Limited, Ukraine, Kyiv	Medical Representative	Visiting doctors in local clinics and hospitals Holding presentations Participating in



			conferences
2010-2011	Avitsena Pharmacy – Pharmacist; Ukraine, Kyiv	Medical Representative	Consulting; sales

### Training Courses

Course	Organizer	Date	Participant/ instructor	language
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–	–	–	–	–
–	–	–	–	–

### Publications

Paper title	Journal	ISSN	Vol. Issue	Year	Country
Analysis of Essential Oil in Jerusalem Artichoke ( <i>Helianthus tuberosus</i> L.) Leaves and Tubers by Gas Chromatography-Mass Spectrometry	Advanced Pharmaceutical Bulletin	ISSN: 2228-5881 EISSN:2251-7308	Volume 4(Suppl 2), PP:521-526	2014	Iran
Determination of Four Major Saponins in Skin and Endosperm of Seeds of Horse Chestnut ( <i>Aesculus Hippocastanum</i> L.) Using High Performance Liquid Chromatography with Positive Confirmation by Thin Layer Chromatography	Advanced Pharmaceutical Bulletin	ISSN: 2228-5881 EISSN:2251-7308	Volume 5(4): 587–591	2015	Iran
Analysis of Essential Oil in <i>Sophora japonica</i> L. Flower Buds on Different Stages of Development by Gas Chromatography-Mass Spectrometry	World Journal of Analytical Chemistry	ISSN (Print): 2333-1178 ISSN (Online): 2333-1283	Vol. 3, No. 1A, 15-20	2015	United States



Qualitative and Quantitative Content Determination of Macro-Minor Elements in Bryonia Alba L. Roots using Flame Atomic Absorption Spectroscopy	Advanced Pharmaceutical Bulletin	ISSN: 2228-5881 EISSN:2251-7308	Volume 6(2) : 285-291	2016	Iran
Comparative Study of Amino Acid Composition in the Seeds, Pulp and Rind from Citrullus colocynthis Fruits	International Journal of Pharmacognosy and Phytochemical Research	e-ISSN: 0975 4873 p-ISSN: 2961-6069	Volume 8(3):433-437	2016	India
Isolation, Identification, And Quantification Of Lectin Protein Contents In Chamerion Angustifolium L. Dried Raw Material And The Study Of Its Activity Using Ratuserytroagglutination	International Journal of Pharmacy and Pharmaceutical	ISSN 0975 - 1491	Volume 8 Issue 2. PP:150-154	2016	India
A study of lectin activity in buds of Sophora japonica L	Tropical Journal of Pharmaceutical Research	ISSN: 1596-5996 (print); 1596-9827 (electronic)	Volume 15 (9): 1877-1881	2016	Nigeria
Development and Optimization of a New Chemoenzymatic Approach for the Synthesis of Peracetylated Lactosamine (Intermediate for the Synthesis of Pharmacologically Active Compounds) Monitored by RP- HPLC Method	Advanced Pharmaceutical Bulletin	ISSN: 2228-5881 EISSN:2251-7308	Volume 7 Issue 2 PP 313-321	2017	Iran
The Role of Pomelo Peel Extract for Experimentally Induced Wound in Diabetic Rats	Pharmacognosy Journal	ISSN : 0975-3575 DOI:10.5530/pj.2018.5.149	Volume 10, Issue 5, 885-891.	2018	India
Phytochemical Content and Antioxidant Activities of Pomelo Peel Extract	Pharmacogn. Res	ISSN: Print - 0976-4836, Online - 0974-8490	Volume 11   Issue 3 :244-7	2019	India



Synthesis of a spiro quinazoline compound as potential drug useful in the treatment of Alzheimer's disease	Pharmakeftiki	ISSN-11054999	Volume 2 (31), 12-20	2019	Greece
Application of multiple regression analysis in optimization of metronidazole-chitosan nanoparticles	Journal of Polymer Research	ISSN: 1022-9760 (Print) 1572-8935 (Online)	J Polym Res (2019) 26: 205.	2019	Netherlands
A Statistical Study on the Development of Metronidazole-Chitosan-Alginate Nanocomposite Formulation Using the Full Factorial Design	Polymers	ISSN: 2073-4360	Polymers 2020, 12, 772	2020	Belgian Polymer Group (BPG), European Colloid & Interface
Synthesis and Docking Studies of a Novel Tetrahydroquinazoline Derivative as Promising Scaffold for Acetylcholine Esterase	Egyptian Journal of Chemistry	Print ISSN 0449-2285 Online ISSN 2357-0245	Egypt. J. Chem. Vol. 63, No. 12 pp. 4797 - 4804	2020	Egypt
Rational design and synthesis of quinazoline derivatives	Istanbul J Pharm	e-ISSN: 2587-2087	Istanbul J Pharm 51 (1): 50-58	2020	Istanbul
Evaluation of the Wheat Germ Oil Topical Formulations for Wound Healing Activity in Rats	Pakistan Journal of Biological Sciences	ISSN 1028-8880	Pak.J.Bilo. Sci., 24(6): 706-715	2021	Pakistan
Preparation and characterisation of ciprofloxacin-loaded silver nanoparticles for drug delivery	IET Nanobiotechnology	Online ISSN:1751-875X Print ISSN:1751-8741	Volume16, Issue 3 May 2022 Pages 92-101	2022	United States



Arginine and chitosan modified magnetic nanoparticles in ciprofloxacin delivery: A comparative, characterization and in vitro release study	Materials Express	ISSN 2158-5849 (Print)	Materials Express, 2022, 12, pp.241–254	2022	United States of America
Synthesis, hydrogen bond interactions and crystal structure elucidation of some stable 2H-imidazolium salts	Zeitschrift fuer Naturforschung B	Online ISSN: 1865-7117 Print ISSN: 0932-0776	Zeitschrift für Naturforschung B, vol. 77, no. 1, 2022, pp. 25-29.	2022	Germany
A national survey of potential acceptance of COVID-19 vaccines in Jordan	Journal of Pharmaceutical Negative Results	[ISSN: Print - 0976-9234, Online - 2229-7723	Journal of Pharmaceutical Negative Results   Volume 13   Special Issue 4   2022	2022	India
The Influence of cytoskeleton-membrane complex of human erythrocytes by osmotic sensitivity under dehydration-rehydration environment	Journal of Pharmaceutical Negative Results	[ISSN: Print - 0976-9234, Online - 2229-7723	Journal of Pharmaceutical Negative Results   Volume 13   Special Issue 8   2022	2022	India
Antibacterial, antioxidant, and cytotoxic activities of Syzygium aromaticum (L.) Merr. & Perry essential oil with identification of its chemical constituents	Zeitschrift für Naturforschung C	Online ISSN: 1865-7125 Print ISSN: 0939-5075	Zeitschrift für Naturforschung C, vol. 78, no. 3-4, 2023, pp. 105-112.	2022	Germany
Essential oils from Elettaria cardamomum (L.) Maton grains and Cinnamomum verum J. Presl barks: Chemical examination and bioactivity studies	Journal of Pharmacy & Pharmacognosy Research	ISSN 0719-4250	Journal of Pharmacy & Pharmacognosy Research, 10 (1), 173-185, 2022	2022	Chile
Optimizing Extractability, Phytochemistry, Acute Toxicity, and Hemostatic Action of Corn Silk Liquid Extract	Journal of Chemistry	ISSN: 2090-9063 (Print) ISSN: 2090-9071 (Online)	Journal of Chemistry, vol. 2022	2022	United State



Phytochemical, Physiochemical, Macroscopic, and Microscopic Analysis of Rosa damascena Flower Petals and Buds	Journal of Food Quality	ISSN: 0146-9428 (Print) ISSN: 1745-4557 (Online)	journal of Food Quality, vol. 2022	2022	United State
The study of carbohydrates of corn raw materials	ScienceRise:Pharmaceutical Science	ISSN 2519-4852 (Online), ISSN 2519-4844 (Print)	ScienceRise: Pharmaceutical Science, (1(41), 32–40.	2023	Ukraine
Optimization and Validation of HPLC-UV Method for the Determination of Vardenafil, Sildenafil, and Tadalafil in Honey-Mixed Herbal Sachets Using a Design of Experiment	Jordan Journal of Pharmaceutical Sciences	ISSN: 2707-6253	Volume 16, No. 1, 2023	2023	Jordan
ACETYLCYSTEINE MODULATES SPHINGOLIPID LEVELS BY INHIBITING NEUTRAL SPHINGOMYELINASE DURING AGING IN RAT TISSUES	Acta Poloniae Pharmaceutica – Drug Research	ISSN: 0001-6837 ISSN (on-line): 2353-5288	Vol. 80 No. 1 pp. 45-51, 2023	2023	Polish
BRYONIA ALBA L. – A PROSPECTIVE MEDICINAL PLANT OF THE CUCURBITACEAE FAMILY	FARMACIA	ISSN: 2065-0019 (for the On-Line Edition) and 0014-8237 (for the Printed Edition)	Vol. 72, 1 ,	2024	Romania
Development Metronidazole Nanocomposite as Anti-inflammatory Agent for Athletes using Full Factorial Design	Pakistan	ISSN / eISSN: 0253-5106	J.Chem.Soc.Pak. , Vol. 46, No. 02, 2024	2024	Pakistan
Glycan synthesis: An update	Tropical Journal of Pharmaceutical Research	SSN / eISSN: 1596-5996 / 1596-9827	Tropical Journal of Pharmaceutical Research April 2024; 23 (4): 783-794	2024	Nigeria



Cu-W bimetallic nanoparticles decorated g-C3N4 sheets: Facile construction and characterization for perception of dopamine in sensing application	Luminescence	ISSN / eISSN: 1522-7235 / 1522-7243	Volume 9 Page 1-8	2024	United Kingdom
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### Books

Book Title	Publisher	Country	Edition	Year
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

### Conference

Scope	Name	Organizer	Date	Country	Participation (attendance – participate)	Peer-Reviewed
Pharmaceutical sciences	Pharmaceutical education, science and practice: state, ,problems prospects of development	BOGOMOL ETS NATIONAL MEDICAL UNIVERSITY PHARMACEUTICAL FACULTY	DECEMBER 19-20, 2023	Ukraine	participate	Yes





Pharmaceutical sciences	PLANTA+. SCIENCE, PRACTICE AND EDUCATION	Pharmacognosy and Botany Department Bogomolets National Medical University	20 February 2023, Kyiv, Ukraine	Ukraine	participate	Yes
CHEMISTRY OF NATURAL COMPOUNDS	Materials of VI Ukrainian Scientific Conference with the international participation	Horbachevsky Ternopil National Medical University	October 27-28, 2022	Ukraine	participate	Yes
Pharmaceutical sciences	.+PLANTA ACHIEVEMENTS AND PROSPECTS	MINISTRY OF HEALTH OF UKRAINE MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE BOGOMOLET NATIONAL MEDICAL UNIVERSITY NATIONAL UNIVERSITY OF PHARMACY PRIVATE HIGHER EDUCATIONAL ESTABLISHMENT "KYIV MEDICAL UNIVERSITY" ISRA UNIVERSITY UKRAINE HERBAL PRODUCTS ASSOCIATION	January 20-21, 2020	Ukraine	participate	Yes



Pharmaceutical sciences	The 1 <sup>st</sup> international conference of the Jordanian faculties of pharmacy	Isra University	28-29 <sup>th</sup> October 2015	Jordan	participate	Yes
Pharmaceutical sciences	The 3 <sup>rd</sup> conference of recent trends in postgraduate research	Applied university	15-16 April, 2017	Jordan	participate	Yes

## Research Interests

### 1. Pharmacognosy

- **Research Areas:**
  - **Natural Product Drug Discovery:** Exploration of plants and other organisms to find compounds with therapeutic potential.
  - **Ethnopharmacology:** Investigating traditional medicines and indigenous practices for modern drug development.
  - **Phytochemistry:** Chemical analysis of plant-based compounds to isolate active ingredients.

### 2. Medicinal Chemistry

- **Research Areas:**
  - **Structure-Activity Relationship (SAR):** Understanding how the molecular structure of a compound influences its biological activity.
  - **Drug Design and Development:** Designing molecules that target specific biological pathways, often starting with a lead compound identified from natural products (as in pharmacognosy).
  - **Optimization of Drug Properties:** Improving absorption, distribution, metabolism, and excretion (ADME) of drug candidates.

### 3. Nanotechnology in Drug Delivery

- **Research Areas:**
  - **Nanocarriers for Drug Delivery:** Utilizing nanoparticles to improve the delivery of drugs, particularly those derived from natural products, to targeted areas (e.g., cancerous tissues) with reduced side effects.
  - **Controlled Release Systems:** Developing nanomaterials that allow for controlled and sustained release of drugs.
  - **Diagnostic and Theranostic Nanomaterials:** Creating nanoparticles that can diagnose diseases and simultaneously deliver therapy.

### Professional Memberships

Actively Member and participate in Number of Committees in the Department:

- Member of the Scientific Research Committee
- Member of the Educational Program Effectiveness Committee.
- Member of the Student Affairs Committee.
- Member of the Course Equivalency and study plan Committee.
- Member of the Study Subject Coordinators Committee.
- Member of the College of Pharmacy Council
- Member of the Exams and competency exam Committee.
- Member of the Quality Control Committee.
- Member of Follow-up committee for auditing ISO 21001 certification standards.
- Member of Laboratories Committee.
- Member of the Strategic Planning and Risk Management Committee.
- Member of Purchasing and tenders Committee in the AL-Isra University /Jordan.
- Member of Student Disciplinary Committee in the AL-Isra University /Jordan.
- Member in preparation conference committee The 1st International Conference of the Jordanian Faculties of Pharmacy "JFP", October 28th-29th, 2015, organized and hosted by AL-Isra University, Amman, Jordan.
- Coordinator of Scientific Day (PATIENT COUNSELING), March 11th, 2015, held in AL-Isra University, and other activities in the Faculty.
- Co-Chairman in Scientific Session (Pharmaceutical Biotechnology) in ". The 1st international conference of the Jordanian faculties of pharmacy, 28-29th October 2015. Faculty of Pharmacy, Isra University "
- Member in preparation the fifth scientific day, " Pharmacovigilance", march 2017, Faculty of Pharmacy, Isra University
- Member in preparation conference committee 20th congress of the Arab association of the faculties of pharmacy and 2ND International conference of the faculty of pharmacy at isra

university and 5th International conference of the Jordanian faculties of pharmacy, THE CANCER EPIDEMIC: A PHARMACIST'S PERSPECTIVE (7-9 November 2017), Organized and hosted by AL- Isra University, Jordan.

- Scientific reviewer for the Journal of pharmaceutical sciences – the University of Jordan
  - Active adviser undergraduate Students and academic student's consultation
  - Reviewing member of the pharmaceutical sciences journal Jordan

## Languages

Arabic: Speaking, Reading, Writing - Excellent

English: Speaking, Reading, Writing - Excellent

Russian: Speaking, Reading, Writing - Excellent

Computer Skills: - Windows and Ms Office - Excellent

## Postgraduate Supervision

Title	supervisee
Effect of pomelo fruit peel extract on wound healing in streptozotocin diabetic rats	Dr. Ihab Alkhalifa Dr. Zead Abudayeh 2017 ايسر
Metronidazole nano polymers : preparation, characterizations and release study	Dr. Samer Hasan Hussein Al-Ali Dr. Zead Abudayeh 2018 حازم الصباغ
Synthesis of acetylcholinestrse inhibitor as potential drug for the treatment of alzheimer's disease	Dr. Qais Abualassal Dr. Zead Abudayeh December , 2018 فاطمة الخراز
Synthesis of tetrahydroquinazoline derivative with dual cholinesterase inhibition and antioxidant activity	Dr. Qais Abualassal Dr. Zead Abudayeh 2019 روان سحييمات
Synthesis and characterization of quinazoline-cinnamic acid hybrid as Alzheimer's drug candidate	Dr. Zead Abudayeh 2020 ضحى محسن



Rational design, synthesis and biological evaluation of pharmaceutically active cyclohexylquinazoline derivatives	Dr. Zead Abudayeh 2021 اسيل الشيش
Synthesis of novel tetrahydro quinazoline-antioxidant hybrids as potential drugs against Alzheimer's disease	Dr. Zead Abudayeh 2022 محمد خلف
Isatoic anhydride as basic molecule for the synthesis of cytotoxic agents	Dr. Qais Abualassal Dr. Zead Abudayeh 2022 لينا القطاونة
Synthesis, characterization and biological evaluation of benzamide derivatives	Dr. Zead Abudayeh Dr. Qais Abualassal 2023 سارة الازايدة
Synthesis, preparation, characterization, and release study of a spiroquinazoline nanocomposite	Dr. Zead Abudayeh Dr. Qais Abualassal 2023 الاء المدني
Synthesis and preparation of tacrine-cinnamic acid nanocomposite	Dr. Zead Abudayeh Dr. Qais Abualassal 2023 حنين بهجت
Exploring <i>Calendula officinalis</i> : An In-Depth Analysis of its Potential as a Whitening Agent	Dr. Zead Abudayeh Dr. Manal Najdawi till now نورا جاجة

## Honors/Awards

- Acknowledgements to Actively Participation in Scientific Day (Patient Counseling), Faculty of Pharmacy, AL- Isra University, Jordan, March 2015.
- Acknowledgements to Actively Preparation and Participation in The 1<sup>st</sup> International Conference of the Jordanian Faculties of Pharmacy "JFP", October 28th-29th, 2015, organized and hosted by Isra University, Faculty of Pharmacy, AL-Isra University, Amman-Jordan.
- Certificate of Work Presentation. " Investigational Research on Mineral Contents of Byroniaalba L. Roots ". The 1<sup>st</sup> international conference of the Jordanian faculties of pharmacy, 28-29<sup>th</sup> October 2015. Faculty of Pharmacy, Isra University in Jordan.

- Certificate of Attendance “The 1<sup>st</sup> International Congress Food and Drug Administration” Pharmaceutical Store Opportunities and Future Vision” 27<sup>th</sup> and 28<sup>th</sup> of October 2016 in Jordan.
- Acknowledgements to Actively Preparation and Participation in The 20th congress of the Arab association of the faculties of pharmacy and 5th International conference of the Jordanian faculties of pharmacy, THE CANCER EPIDEMIC: A PHARMACIST'S PERSPECTIVE (7-9 NOVEMBER 2017), Organized and hosted by AL-Isra University, Faculty of Pharmacy, Amman- Jordan.
- Certificate of Attendance “The 3<sup>rd</sup> conference of recent trends in postgraduate research” 15-16 April,2017 Faculty of Pharmacy, Applied university in Jordan.
- Certificate of attendance at training workshops for the purposes of professional development for the performance of faculty members at Al-Isra University (29-9-2020)