

CURRICULUM VITAE

YASSER KH. BUSTANJI, PH.D.

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PERSONAL INFORMATION:

- ❖ Date of Birth: June 14th, 1973
- ❖ Nationality: Jordanian
- ❖ Marital Status: Married

EDUCATION:

- ❖ Ph.D. in Pharmaceutical Sciences, April 2002, University of Bologna, Bologna, Italy.
- ❖ B.Sc. Pharmacy, June, 1996, University of Jordan, Amman, Jordan

PROFESSIONAL EXPERIENCE AND TRAINING:

Sep 2021 –current	Professor, Department of Basic Medical Sciences, University of Sharjah
Sep 2016- Dec 2019	Director of Hamdi Mango Center for Scientific research, University of Jordan
Jul 2011 - Current	Professor, Department of Biopharmaceutics and Clinical Pharmacy, University of Jordan
April 2002- July2011	Assistant then associate professor Department of Biopharmaceutics and Clinical Pharmacy
Aug 2011-2013	Deputy Dean, Faculty of Pharmacy, University of Jordan
Nov 2010 - 2011	Chairman, Department of Biopharmaceutics and Clinical Pharmacy, Faculty of Pharmacy, Jordan University, Amman Jordan.
2010- 2014	Member of the Faculty of Pharmacy Council.
July 2008 – 2013	Member of the Bioequivalence and Biowaiver Committee, Jordan Food and Drug Administration (JFDA), Amman, Jordan.
2010-current	Consultant with the Jordan Food and Drug Administration GMP Inspection teams.

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2010- Current	Consultant with Accreditation and Quality assurance Commission of Higher education Institutions.
2008-Current	Consultant, SANA Pharmaceutical Research
2003/2004	Member of the Faculty of Pharmacy Council.
2005/2006	Faculty Representative in the University Council.
1996-1996	The United Pharmaceutical Manufacturing Company, Research and Development Department, Sahab, Jordan
May 2007 - Jul 2011	Associate Professor, Department of Biopharmaceutics and Clinical Pharmacy
Sep 2007- Sep 2008	Associate Professor, Faculty of Pharmacy, Applied Science University
Apr2002- May2007	Assistant Professor, Department of Biopharmaceutics and Clinical Pharmacy, Faculty of Pharmacy, Jordan University, Amman Jordan
Nov 1998-Mar 2002	Ph.D. candidate, Department of Pharmaceutical sciences, University of Bologna, Bologna, Italy.
Sep 1996-Nov 1998	Teaching assistant at the faculty of Pharmacy, Jordan University

COMMITTEES MEMBERSHIPS:

1996-current.	Jordan Pharmaceutical Association (Jordan).
2000-2002	Italian Chemical Society (Italy).
2008 – Current	Member in National Centre of Biotechnology
2011 – Current	Member in Intel International Science and Engineering Fair evaluation committee
2003/2004	Member of the Faculty of Pharmacy Council.
2005/2006	Faculty Representative in the University Council.
2003-2004	Member in Scientific Research Committee (Faculty of Pharmacy/ University of Jordan).
2005/2006	Chairman of Scientific Research Committee (Faculty of Pharmacy/ University of Jordan).
2003-2004	Chairman of the Public Safety Committee (Faculty of Pharmacy/ University of Jordan).
2007-2008	Chairman of Jury committee (Faculty of Pharmacy/ University of Jordan).
2009-2010	Chairman of the Public Safety Committee (Faculty of Pharmacy/ University of Jordan).

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2009-2010	Instruments and laboratories Committee (Faculty of Pharmacy/ University of Jordan).
2014-2016	Chair of curriculum committee in the faculty of pharmacy
2010 – Current	Comprehensive Exam Committee for master students (Faculty of Pharmacy/ University of Jordan).
2014/2015	Faculty Representative in the University Council.

CONSULTATIONS AND INDUSTRIAL PROJECTS:

1. Screening of drug-excipients incompatibility: Pre-formulation studies for development of new products: Development of Risperidone pharmaceutical product: pre-formulation studies. This project was co-sponsored by Jordan Sweden Medical Company (JOSWE) and Faculty For Factory program. Aug-Nov 2006.
2. Revision and updating the system of adopting the bioequivalence studies received from the contract research organization (CRO). This project was co-sponsored by RAM Pharma and Faculty For Factory program. Aug-Nov 2009.
3. Development of stable aqueous dosage form for diminazene aceturate. This project was co-sponsored by Arab veterinary industrial company (AVICO) and Faculty for Factory program. Aug-Nov 2005.
4. Comparative Pharmacodynamic Study: An Evaluation of the In-vitro Bioequivalence of Pharmaceutically Equivalent Products of Heparin; Hikma-Heparin[®] 5000 IU/ml, Hikma-Heparin[®] 25000 IU/ml and Heparin LEO[®]. This project was done for Hikma pharmaceuticals.
5. In-vivo comparative study: The effect of both Hikma-Heparin[®] 5000 IU/ml and Hikma-Heparin[®] 25000 IU/ml on blood coagulation compared to that of Heparin LEO[®] in rats using activated partial thromboplastin time. This project was done for Hikma pharmaceuticals.
6. Conducting Clinical/Nonclinical Expert Reports for several pharmaceutical companies.
7. Development of validation system for starting material management according to the good manufacture practice guide lines. This project was co-sponsored by Arab veterinary industrial company (AVICO) and Faculty For Factory program. Aug-Nov 2005.
8. Evaluation of Biochemical Factors Affecting the Brined Olive Process: Their Influence on Final Texture, Colour and Industrial losses. This project was co-sponsored by Al-Delil Pickles and Food Proc. Factory and Faculty For Factory program. Aug-Nov 2007
9. Characterization and Toxicity Evaluation of Some Herbal Pharmaceutical Products Using Animal Models. This project was co-sponsored by SANA pharmaceutical research and Faculty For Factory program. Aug-Nov 2008
10. A simple and rapid high-performance liquid chromatographic method for the determination of Umckalin, as an herbal marker, in the cough syrup of pelargonium extract. This project was done for SANA Pharmaceutical Research Co.

11. Potency determination and bioassay for different biological products available in Jordan (erythropoietin, streptokinase, Palivizumab, vaccines). A project sponsored by Jordan Drug and Food Administration (JFDA).
12. Acute Oral Toxicity Study of Thyme – Primulae Syrup in Albino Rats. A study required for registration of the product in JFDA. This project was sponsored by Sana Pharmaceutical Research Co.
13. Acute Oral and Topical Toxicity Study of Liale[®]. A study required for registration of the product in JFDA. This project was sponsored by Sana Pharmaceutical Research Co.
14. Acute Oral and Topical Toxicity Study of Dilamuc[®]. A study required for registration of the product in JFDA. This project was sponsored by Sana Pharmaceutical Research Co.
15. In Vivo Repeated Dose 28-Day Oral Toxicity studies of Ivy-Liquorice-Thyme syrup (Dilamuc[®]) in Albino Rats. A study required for registration of the product in JFDA. This project was sponsored by SANA Pharmaceutical Research Co.

FIELD OF EXPERTISE & RESEARCH INTERESTS

- ❖ Screening of new compounds and medicinal plants to identify novel inhibitors of key enzymes that dictate the pathophysiology of chronic human illnesses such as cancer and various endocrinologic abnormalities.
- ❖ Development and in vitro / in vivo evaluation of drug delivery platforms for medications used in the management of chronic diseases.
- ❖ Analysis of drug and herbal products: optimization of methods of analysis and standardization of natural and pharmaceutical products using various analytical techniques.
- ❖ Discovery of new plant-originated drugs based on the traditional use of the plants coupled with in vivo testing of promising compounds using select animal models including toxicity studies to insure safety for human us
- ❖ Application of computer-aided molecular design techniques and molecular modeling studies towards the discovery and design of new biologically active compounds. Special emphasis on developing new agents with hypoglycemic/hypolipidemic dual activities for the management of diabetes.

AWARDS & SCHOLARSHIPS:

1. Distinguished Researchers Distinguished Researchers (highly cited Researchers) in the University of Jordan. 2019
2. Distinguished Researchers Distinguished Researchers (highly cited Researchers) in the University of Jordan. 2018
3. Distinguished Researchers (highly cited Researchers) in the University of Jordan
4. Distinguished Researchers for 2016 in the University of Jordan
5. Ali Mango Prize for Distinguished Researcher for the Academic Year 2014

6. University of Jordan Prize for Research Distinction during the Academic Year 2011/2012
7. University of Jordan Prize for Research Distinction during the Academic Year 2010/2011
8. University of Jordan Prize for Research Distinction during the Academic Year 2009/2010
9. AL-Najah University Research Award for the year 2009 for the paper entitled: "Combining Ligand-Based Pharmacophore Modeling, QSAR Analysis and In -Silico Screening for the Discovery of New Potent Hormone Sensitive Lipase Inhibitors".
10. The primer of Carla Milanase award for the best oral presentation at the 5th Multinational Congress on Electron Microscopy, September 20th-25th, 2001. Lecce, Italy.
11. Ph.D. Graduate Scholarship, 1998-2002, Ministry of Italian foreign Affairs and University of Jordan.
12. Scientific Achievement Scholarship, 1991-1996, Ministry of Higher Education Amman, Jordan

PROFESSIONAL PUBLICATIONS:

1. Eman Y. Abu-rish, Yasser Bustanji and Kamel Abusal. Nationwide Routine Childhood Vaccination Coverage During the COVID-19 Pandemic in Jordan: Current Situation, Reasons, and Predictors of Vaccination. **International Journal of Clinical Practice**, Volume 2022 |Article ID 7918604 | <https://doi.org/10.1155/2022/7918604>
2. Jehad Almaliti, Muhammed Alzweiri, Momen Alhindy, Tamam Al-Helo, Ibrahim Daoud, Raghad Deknash, C. Benjamin Naman , Bashaer Abu-Irmaileh, Yasser Bustanji and Islam Hamad. Discovery of Novel Epoxyketone Peptides as Lipase Inhibitors. **Molecules** 2022, 27, 2261.
3. Waseem El-Huneidi, Shabana Anjum, Mohamed A. Saleh, **Yasser Bustanji**, Eman Abu-Gharbieh and Jalal Taneera. Carnosic Acid Protects INS-1 -Cells against Streptozotocin-Induced Damage by Inhibiting Apoptosis and Improving Insulin Secretion and Glucose Uptake. **Molecules** 2022, 27, 2102
4. **Yasser Bustanji**, Noor Barham, Eman Y. Abu-rish, Abdelkarim Hiari,... Hana Bajes. .. Evaluation of Lipoprotein (A) Levels in Type 2 Diabetic Jordanian Patients. **Hormone Molecular Biology and Clinical Investigation**. 2022 Apr 15. doi: 10.1515/hmbci-2021-0090.
5. Bajes, H.R., Oran, S.A., Yasser Bustanji. Chemical Composition and Antiproliferative and Antioxidant Activities of Essential Oil from *Juniperus phoenicea* L. Cupressaceae. **Research Journal of Pharmacy and Technology**, 2022, 15(1), pp. 153–159
6. Sara Khaleel, Yusuf Al-Hiari, Violet Kasabri, Randa Haddadin, Rabab Albashiti, Muhammad Al-Zweri, **Yasser Bustanji**. Antiproliferative properties of 7, 8-Ethylene Diamine Chelator-Lipophilic Fluoroquinolone Derivatives Against colorectal cancer Cell Lines. **Anti-Cancer Agents in Medicinal Chemistry**, 2022, 22(5), pp. 1012–1028
7. Arwa R. Althaher, Sawsan A. Oran, **Yasser K. Bustanji**. Induction of apoptosis by *Ruta chalepensis* L. essential oil in human breast cancer cells (MCF-7). **Journal of Pharmacy & Pharmacognosy Research** 2022, 10 (1), 73-83

8. Zaynab Al-Eisawi, Salim M. Abderrahman, Yasmin M. S. Abdelrahim, Reem Al-Abbassi, **Yasser K. Bustanji**. *Anastatica hierochuntica* Extracts: Promising, Safe and Selective Anticancer Agents The Natural Products Journal **2022**, **12(1)**: **78-87** Article ID: e160921185898. DOI: 10.2174/2210315510999200914153725
9. Zaynab Al-Eisawi, Salim M. Abderrahman, Islam F. Al-khalaf, Reem Al-Abbassi, **Yasser K. Bustanji**. *Taraxacum Officinale* Extracts Exhibit Safe and Selective Anticancer Activity. The Natural Products Journal **2022**, **12**, Article ID: e160921187741. DOI: 10.2174/2210315510999201109202255
10. Lobna Gharaibeh, Walhan Alshaer, Suha Wehaibi, Rula Al Buqain, Dana A Alqudah, Abdulfattah Al-Kadash, Hafsa Al-Azzawi, Abdalla Awidi, **Yasser Bustanji**. Fabrication of aptamer-guided siRNA loaded lipopolyplexes for gene silencing of notch 1 in MDA-mb-231 triple negative breast cancer cell line. Journal of Drug Delivery Science and Technology, **2021**, **65**, 102733
11. Lama Hamadneh, Bashaer Abu-Irmaileh, May Al-Majawleh, **Yasser Bustanji**, Yazun Jarrar, Tariq Al-Qirim. Doxorubicin–paclitaxel sequential treatment: insights of DNA methylation and gene expression changes of luminal A and triple negative breast cancer cell lines. Molecular and Cellular Biochemistry, **2021**, **476(10)**, pp. 3647–3654.
12. Lafi, Z., Alshaer, W., Hatmal, M.M., Zihlif, M., Alqudah, D.A., Nsairat, H., Azzam, H., Aburjai, T., **Bustanji, Y.**, Awidi, A. Aptamer-functionalized pH-sensitive liposomes for a selective delivery of echinomycin into cancer cells. RSC Advances, **2021**, **11(47)**, pp. 29164–29177
13. Hala I. Al-Daghistani, Lubna F. Abu-Niaaj, **Yasser Bustanji**, Khawla D. Al-Hamaideh, Husam Al-Salamat, Moayyad N. Nassar, Hatim M. Jaber, Nabil H. Amer, Bashaer Abu-Irmaileh, Abdulameer Al-Nuaimi. Antibacterial and Cytotoxicity Evaluation of *Arum hygrophilum* Bioss. European Review for Medical and Pharmacological Sciences, **2021**, **25(23)**, pp. 7306–7316
14. Bajes, H.R., Oran, S.A., **Bustanji, Y.K.** Chemical Composition and Antiproliferative and Antioxidant Activities of Methanolic Extract of *Alcea setosa* A. Malvaceae. Research Journal of Pharmacy and Technology, **2021**, **14(12)**, pp. 6447–6454
15. Nassim Belkacem, Bachra Khettal, Mohammad Hudaib, **Yasser Bustanji**, Bashaer Abu-Irmaileh, Chiraz Soumia M Amrine. Antioxidant, antibacterial, and cytotoxic activities of *Cedrus atlantica* organic extracts and essential oil. European Journal of Integrative Medicine, **2021**, **42**, 101292
16. Amer Imraish, Tuqa Abu Thiab, Wajdy Al-Awaida, Hamzeh J. Al-Ameer, **Yasser Bustanji**, Hana Hammad, Mays Alshari, Afnan Al-Hunaiti. In vitro anti-inflammatory and antioxidant activities of ZnFe₂O₄ and CrFe₂O₄ nanoparticles synthesized using *Boswelliacarteri* resin. Journal of Food Biochemistry. Journal of Food Biochemistry, **2021**, **45(6)**, e13730.
17. Sayed, U., Hudaib, M., Issa, A., Tawaha, K., **Bustanji, Y.** Plant products and their inhibitory activity against xanthine oxidase. Farmacia, **2021**, **69(6)**, pp. 1042–1052
18. Althaher, A.R., Oran, S.A., **Bustanji, Y.K.** Chemical composition, in vitro evaluation of antioxidant properties and cytotoxic activity of the essential oil from *calamintha incana* (Sm.) helder (lamiaceae). Tropical Journal of Natural Product Research, **2021**, **5(8)**, pp. 1333–1339

19. Almasri, I., Othman, H., Abu-Irmaileh, B., Moham-Mad, M., **Bustanji, Y.** Flavonoids from plant source as protein tyrosine phosphatase 1b inhibitors: In silico update. *Acta Pharmaceutica Scientia*, **2021**, 59(4), pp. 619–640
20. Israa Yousef, Sawsan Oran, Moath Alqaraleh, **Yasser Bustanji**. Evaluation of Cytotoxic, Antioxidant and Antibacterial Activities of *Origanum dayi*, *Salvia palaestina* and *Bongardia chrysogonum* Plants Growing Wild in Jordan. *Tropical Journal of Natural Product Research*. **2021**, 5 (1), 66- 70
21. Abeer Khriesha, **Yasser Bustanji**, Rana Abu Farha, Reem Al-Abbasi, Bashaer Abu-Irmaileh Evaluation of the potential anticancer activity of different vitamin D metabolites on colorectal and breast cancer cell lines. *Hormone Molecular Biology and Clinical Investigation*. **2021**, 1;42(1):3-9.
22. Jebara, R.R., Hudaib, M.M.D., **Bustanji, Y.K.**, ...Alabbassi, R., Kasabri, V.N. Essential oil composition and antiproliferative activity of *ecballium elaterium* (L). aerial parts:A medicinal essential oil bearing plant from Jordan. *Jordan Journal of Pharmaceutical Sciences*, **2021**, 14(3), pp. 279–292
23. Hamed, S., Afifi, F., Mansi, I., **Bustanji, Y.**, Alkhatib, H.S. Screening of commonly used plant extracts in jordanian skin lightening folkloric recipes for their tyrosinase inhibitory activity: An in vitro study. *Jordan Journal of Pharmaceutical Sciences*, **2021**, 14(2), pp. 113–125
24. Younis, N., Abu-Mallouh, S., Almasri, I., Issa, A., **Bustanji, Y.** Pancreatic lipase inhibition by edible plants used in three middle east countries: A mini-review. *Jordan Journal of Pharmaceutical Sciences*, **2021**, 14(2), pp. 179–188
25. Talal Aburjai Ali Al-Samydai, **Yasser Khalil Bustanji**, Hanan Azzam, Farah Al-Mamoori, Deniz M. Al-Tawalbe, Bashaer Abu-Irmaileh. Promising Cytotoxicity and Anticancer Activity of *Capsicum Annum*. *Indian Journal of Forensic Medicine & Toxicology* **2021**. 15, 1766-1775
26. Iman Y Abu-rish, Ahmad T Mansour, Hebah T Mansour, Lina A Dahabiyeh, Shereen M Aleidi, **Yasser Bustanji**. Pregabalin inhibits in vivo and in vitro cytokine secretion and attenuates spleen inflammation in Lipopolysaccharide/Concanavalin A-induced murine models of inflammation. *Scientific Reports* **2020**, 10 (1), 1-11
27. Violet Kasabri, Shereen Arabiyat, Yusuf Al-Hiari, Hiba Zalloum, Jehad Almaliti, Ahmad Telfah, **Yasser K. Bustanji**, Sundus Alalawi. Fluoroquinolones as a potentially novel class of antidiabetesity and antiproliferative compounds: synthesis and docking studies. *Canadian Journal of Chemistry*. **2020**, **98** (10), 635-645.
28. A Qasem, V Kasabri, E AbuRish, Y Bustanji, Y Al-Hiari, R AlAbbasi, B AbuRmilha, S Alalawi. Evaluation OF Potential Cytotoxic Effect of Different Proton Pump Inhibitors on Different Human Cancer Cell Lines. *Anti-cancer agents in medicinal chemistry* **2020**, 20 245-253.
29. AR Althaher, SA Oran, **Yasser Bustanji**, Phytochemical Analysis, In vitro Assessment of Antioxidant Properties and Cytotoxic Potential of *Ruta chalepensis* L. Essential Oil. *Journal of Essential Oil Bearing Plants* **2020**, 23, 1409 - 1421

30. Noor T Alhourani, Mohammad MD Hudaib, **Yasser K Bustanji**, Reem Alabbassi, Violet Kasabri. **Jordan Journal of Pharmaceutical Sciences 2020** 13, 291.
31. Israa Yousef, Sawsan Oran , Moath Alqaraleh , Yasser Bustanji. Evaluation of Cytotoxic, Antioxidant and Antibacterial Activities of Origanum dayi, Salvia palaestina and Bongardia chrysogonum Plants Growing Wild in Jordan. **Trop J Nat Prod Res**, January 2021; 5(1):66-70
32. DA Tawalbeh, **Y Bustanji**, T Aburjai, Q ,Al-Balas, L Abu-Qatouseh Anti-Helicobacter activity of medicinal plants and probiotics as alternatives for Helicobacter pylori treatment: Review article. **International Journal of Research in Pharmaceutical Sciences 2020**, 11 (3), 3484-3489
33. Laila Alomari, Abdelrahim Hunait, Mohammad Beirat, Yasser Bustanji. Study of MTHFR C677T Polymorphism and Associated Oxidative Stress Biomarkers among Autism Spectrum Disorder Patients in Jordan. **Jordan Journal of Biological Sciences. 2020**, 13, 247 - 252
34. SM Matalqah, K Aiedeh, NM Mhaidat, KH Alzoubi, **Yasser Bustanji**, I Hamad. Chitosan Nanoparticles as A Novel Drug delivery System. **Current drug targets 2020**, 21, 1613-1624
35. Hana R. Bajes, Ihab Almasri, **Yasser Bustanji**. Plant Products and Their Inhibitory Activity Against Pancreatic Lipase. **Brazilian Journal of Phramacognozy. 2020**, 30 321–330
36. A Hamdan, V Kasabri, Y AlHiari, S Arabiyat, S AlAlawi, Y Bustanji. Dual antiinflammatory and antiglycation propensities of a potentially novel class of functionalized fluoroquinolones. **Journal of Heterocyclic Chemistry 2020** 57 (2), 663-675
37. NT Alhourani, MMD Hudaib, **YK Bustanji**, R Alabbassi, V Kasabri. Chemical Composition of Essential Oil and Screening of Antiproliferative Activity of Paronychia argentea Lam. Aerial Parts: an Ethno-Medicinal Plant from Jordan. **Jordan Journal of Pharmaceutical Sciences 2020**, 13, 201
38. Maha Hajleh, M Alzweiri, **YK Bustanji**, E Al-Dujaili. Biodegradable Poly (lactic-co-glycolic acid) Microparticles Controlled Delivery System: A Review. **Jordan Journal of Pharmaceutical Sciences 2020** in press
39. Walhan Alshaer, Manar Zraikat, Amer Amer, Hamdi Nsairat, Zainab Lafi, Dana A. Alqudah, Enas Al Qadi, Tasneem Alsheleh, Fadwa Odeh, Arwa Alkaraki, Malek Zihlif, **Yasser Bustanji**. Encapsulation of echinomycin in cyclodextrin inclusion complexes into liposomes: in vitro anti-proliferative and anti-invasive activity in glioblastoma. **RSC Adv 2019**, 9: 30976-30988
40. Amani A. Harb, **Yasser K. Bustanji**, Ihab M.Almasri & Shtaywy S.Abdalla. Eugenol Reduces LDL Cholesterol and Hepatic Steatosis in Hypercholesterolemic Rats by Modulating

- TRPV1 Receptor. **Scientific Reports**, 2019, 9:14003. <https://doi.org/10.1038/s41598-019-50352-4>
41. Shereen M Aleidi, Eman Shayeb, Jameel Bzour, Eman Y Abu-rish, Mohammad Hudaib, Sundus Al Alawi, **Yasser Bustanji**. Serum level of insulin-like growth factor-I in type 2 diabetic patients: impact of obesity. **Hormone molecular biology and clinical investigation**. 2019 In Press
 42. S Arabiyat, V Kasabri, Y Al-Hiari, I Al-Masri, S Alalawi, **Y Bustanji**. Dual Glycation-Inflammation Modulation, DPP-IV and Pancreatic Lipase Inhibitory Potentials and Antiproliferative Activity of Novel Fluoroquinolones. **Asian Pacific journal of cancer prevention: APJCP** 2019, 20, 2503-2514
 43. Oneassa S Al-Neimat, Violet Kasabri, Randa Naffa, Amal Akour, Mousa Abu Jbara, Yasser Bustanji. Correlates of Increased Chemerin but Reduced Oxytocin with Adiposity and Atherogenicity Indices in Metabolic Syndrome Patients. **Jordan Journal of Pharmaceutical Sciences**. 2019, In Press
 44. Lina A. Dahabiyeh, **Yasser Bustanji**, Mutasem O. Taha. The herbicide quinclorac as potent lipase inhibitor: Discovery via virtual screening and in vitro/in vivo validation. **Chem Biol Drug Des**. 2019;1–11.DOI: 10.1111/cbdd.13463
 45. N Mamdooh, V Kasabri, Y Al-Hiari, I Almasri, S Al-Alawi, **Y Bustanji**. Evaluation of selected commercial pharmacotherapeutic drugs as potential pancreatic lipase inhibitors and antiproliferative compounds. Drug development research. **Drug development research**. 2019, 80 (3), 310-324 DOI: 10.1002/ddr.21499.
 46. Jihad AM Alzyoud, Saleh A Al Najjar, Seham Talat, **Yasser Bustanji**, Abd Al-Rahman S Al-Shudiefat. Effect of light-emitting diodes, platelet-rich plasma, and their combination on the activity of sheep tenocytes. **Lasers in medical science**. 2019, 34 (4), 759-766. DOI: 10.1007/s10103-018-2657-8.
 47. Bashar Alkhalidi, Hatim S AlKhatib, Mohammad Saleh, Saja Hamed, **Yasser Bustanji**, Nader Al Bujuq, Naji Najib, Susana Torrado-Susana, Al-Sayed Sallam. Clarithromycin Laurate Salt: Physicochemical Properties and Pharmacokinetics after Oral Administration in Humans. Pharmaceutical development and technology. **Pharmaceutical development and technology**. 2019, 24 (5), 607-615 DOI: 10.1080/10837450.2018.1547749.
 48. Cytotoxic Effect of Selected Wild Medicinal Plant Species from Jordan on Two Different Breast Cancer Cell Lines, MCF7 and T47D. Israa Yousef, Sawan Oran, **Yasser Bustanji**, Dawud Al-Eisawi and Bashaer Abu-Irmaileh. **Biology and Medicine** 2018, 10 (4): 1000443. DOI:10.4172/0974-8369.1000443.
 49. N. Alhourani, V. Kasabri, **Y. Bustanji**, R. Abbassi, and M. Hudaib. Potential Antiproliferative Activity and Evaluation of Essential Oil Composition of the Aerial Parts of *Tamarix aphylla* (L.) H. Karst.: A Wild Grown Medicinal Plant in Jordan. **Evidence-Based Complementary and Alternative Medicine Volume 2018**, Article ID 9363868, 7 pages. <https://doi.org/10.1155/2018/9363868>.

50. SY Elhayek, MA Fararjeh, AM Assaf, EY Abu-Rish, **Y Bustanji**. Immunomodulatory effects of tigecycline in Balb/c mice. **Acta Pharmaceutica** **2018**, 68 (4), 457-469. <https://doi.org/https://doi.org/10.2478/acph-2018-0040>.
51. E Abu-Gharbieh, NG Shehab, IM Almasri, **Y Bustanji**. Antihyperuricemic and xanthine oxidase inhibitory activities of Tribulus arabicus and its isolated compound, ursolic acid: In vitro and in vivo investigation and docking. **PloS One** **2018**, 13 (8), e0202572. <https://doi.org/10.1371/journal.pone.0202572>.
52. Alaa Fraihat, Falastine R Hamdan, Bashaer Abu-Irmaileh, Reem Abbasi, Barakat Abu-Irmaileh, **Yasser Bustanji**. Evaluation of the antiproliferative Activities of Anthemis bornmuelleri L. and Amygdalis communis L. extracts Against six Human Cancer cell lines. **Research Journal of Pharmacy and Technology** **2018**, 11 (6), 2512-2516. DOI: 10.5958/0974-360X.2018.00464.X.
53. Rawan Mohammad Al Saudi, Violet Kasabri, Randa Naffa, Nailya Bulatova, **Yasser Bustanji**. Glycated LDL-C and Glycated HDL-C in association with adiposity, blood and atherogenicity indices in metabolic syndrome patients with and without prediabetes. **Therapeutic advances in endocrinology and metabolism** **2018**, 9 (10), 311-323. <https://doi.org/10.1177/2042018818788198>.
54. Taiba F. Al-Athami, Violet Kasabri, Amal Akour, **Yasser Bustanji**, Dana Hyassat, Randa Naffa, Sundus Mashallah. Oxytocin and cholecystokinin correlates with metabolic syndrome's atherogenicity and adiposity indices. *Jordan Journal of Pharmaceutical Sciences* 2018. 11 (3), 181-194.
55. A Akour, V Kasabri, N Bulatova, S Muhaisen Al, R Naffa, H Fahmawi, M Momani, A Zayed, **Y Bustanji**. Association of Oxytocin with Glucose Intolerance and Inflammation Biomarkers in Metabolic Syndrome Patients with and without Prediabetes. **The review of diabetic studies: RDS** **2018**, 14 (4), 364-371. DOI: 10.1900/RDS.2017.14.364. Epub 2018 Mar 10.
56. Eman Y Abu-rish, Lina A Dahabiyeh, **Yasser Bustanji**, Yehia S Mohamed, Michael J Browning. Effect of lamotrigine on in vivo and in vitro cytokine secretion in murine model of inflammation. *Journal of Neuroimmunology*, 2018, 322: 36–45. DOI: 10.1016/j.jneuroim.2018.06.008. Epub 2018 Jun 11.
57. Reem Sami Alquoqa, Violet Kasabri, Randa Naffa, Amal Akour, **Yasser Bustanji**. Cross-sectional correlates of myeloperoxidase and alpha-1-acid glycoprotein with adiposity, atherogenic and hematological indices in metabolic syndrome patients with or without diabetes. *Therapeutic Advances in Endocrinology and Metabolism*. **2018**, **9(9)** 283–291. <https://doi.org/10.1177/2042018818779742>.
58. Alaa Fraihat, Luma Alatrash, Reem Abbasi, Bashaer Abu-Irmaileh, Saja Hamed, Mohammad Mohammad, Eman Abu-Rish, **Yasser Bustanji**. The Inhibitory Effects of Methanolic Extracts of Selected Plants on the Proliferation of Two Human Melanoma Cell Lines. **Tropical Journal Pharmaceutical Research**. **2018**. **17 (6)**, 1081-1086. <http://dx.doi.org/10.4314/tjpr.v17i6.15>.
59. Riham Naserallah, Violet Kasabri, Amal Akour, Nahla Khawaja, Randa Naffa, **Yasser Bustanji**. The Levels of Oxytocin and Oxyntomodulin, Adiposity and Blood Indices in Pharmacotherapy

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136. **Yasser Bustanji** and Bruno Samori. The Mechanical Properties of Human Angiostatin Can Be Modulated by Means of Its Disulfide Bonds: a Single-Molecule force- Spectroscopy Study. **Angewandte Chemie International Edition** 2002; 41:1546- 1548. DOI: 10.1002/1521-3757(20020503)114:9<1616::AID-ANGE1616>3.0.CO;2-E.

137. Matteo Conti, **Yasser Bustanji**, Giuseppe Falini, Paolo Ferruti, Sergio Stefoni, Bruno Samorì. The Desorption Process of Macromolecules Adsorbed on Interfaces: The Force Spectroscopy Approach. *Chemphyschem* 2001; 2:610-613. DOI: 10.1002/1439-7641(20011015)2:10<610::AID-CPHC610>3.0.CO;2-6.
138. Ala Issa, Rana Abu Farha, Eman Elayeh, **Yasser Bustanji**. The impact of lack of pharmacist contributions on patterns and appropriateness of indications of NSAIDs, A cross-sectional study. *Journal of Pharmaceutical Sciences* 2013, 6:258-269.
139. Eman Abu-Gharbieh, Sahar Fahmy, Bazigha Abdul Rasool, Iman Basheti, Mohammad Mohammad and **Yasser Bustanji**. Prevalence of Aspirin use and its concurrent use with ibuprofen among two middle eastern countries; Jordan and the UAE - A cross sectional study. *Jordan Journal of Pharmaceutical Sciences* 2011, 4:155-165
140. **Yasser Bustanji**, Mohammad Mohammad, Mohammad Hudaib, Khaled Tawaha, Ihab M. Al-Masri, Hatim S. AlKhatib, Ala Issa, Feras Q. Alali. Screening of Some Medicinal Plants for their Pancreatic Lipase Inhibitory Potential. *Jordan Journal of Pharmaceutical Sciences*. 2011; 4:81-88.
141. **Yasser Bustanji**, Mohammad Hudaib, Khaled Tawaha, Mohammad Mohammad, Ihab Almasri, Saja Hamid and Sawsan Oran. In vitro Xanthine Oxidase inhibition by selected Jordanian medicinal plants. *Jordan Journal of Pharmaceutical Sciences*. 2011; 4:29-34
142. Ruba Tarawneh, Rana AbuFarha, Mohammad Hudaib, Khaled Tawaha, Khaled Aieda, **Yasser Bustanji**, Mohammad Mohammad. Acute oral toxicity study of Ivy-Thyme syrup in Albino Rats. *Jordan Journal of Pharmaceutical Sciences* 2011; 4:49-53.
143. Mohammad Mohammad, Khaled M. Aiedeh, Hatim S. AlKhatib, Khaled Tawaha, Bashar AlKhalidi, Ihab M. Al-Masri, Saja Hamed and **Yasser Bustanji**. A Comparative Enzymatic Inhibition Assay as a Surrogate Indicator of Pharmaceutical and Potency Equivalence of Two Orlistat Formulations. *Jordan Journal of Pharmaceutical Sciences* 2010; 3:69-74.
144. Mohammd Hudaib, Wahaf Aldahasi, Ayman Khdaire, Raed. Salah, Hatim AlKhatib, **Yasser Bustanji**, Mohammad K. Mohammad. A simple and rapid high-performance liquid chromatographic method for the determination of Umckalin, as an herbal marker, in the cough syrup of Pelargonium extract. *Jordan Journal of Pharmaceutical Sciences* 2010; 3:109-115.
145. Suha A. AlMuhaisen, Bashar AlKhalidi, **Yasser Bustanji**, Khaled Aiedeh, Mohammad K. Mohammad, Hatim S. AlKhatib Evaluation of Binary Carrier System for the Dissolution Enhancement of a High Dose Poorly Soluble Drug. *Jordan Journal of Pharmaceutical Sciences* 2012; 5: 30-40

GRANTS AND FUNDED PROJECTS:

1. Evaluation of cytotoxic, apoptotic, antioxidant activities of Berberine- Carbon Nanotubes complex using chitosan nano drug delivery system. Collaborative grant (Principal investigator); 120000 AED submitted to UOS

2. Phytochemical analysis and investigation of antiroliferative, apoptotic, and antioxidant Activities *Thymus capitatus* (L.) methanolic extracts (Seeding Grants); 40000 AED submitted to UOS.
3. Investigation of gut microbiome changes, metabolomics and proteomics effects of Vit D in prediabetic / type II diabetic patients. (Principal investigator); 120000 AED submitted to UOS
4. Phytochemical analysis and investigation of antiroliferative, apoptotic, and antioxidant Activities *Lonicera etrusca* Santi methanolic extracts. Competitive grant (Principal investigator); 120000 AED submitted to UOS
5. Application of multi-omics approaches for lung cancer biomarkers discovery in UAE patients-early diagnosed and metastatic stages. (Co- investigator); 120000 AED submitted to UOS
6. Neuroprotective effects of L-Carnitine on Diabetes Induced Cognitive Impairment and Depression Symptoms and Anxiety. (Co- investigator); 200000 AED submitted to UOS
7. Validation of non-invasive protein and metabolite biomarker to improve risk stratification in UAE prostate cancer patients. (Co- investigator); 200000 AED submitted to UOS
8. Evaluation of antineoplastic effects of rutin on human ovarian cancer cells through targeting PI3K and BRAF pathways. (Co- investigator); 200000; AED submitted to UOS
9. Establishing an experimental platform for screening the potential antiviral activities of plant extracts/compounds against Influenza virus A. Abdul Hameed Shoman Foundation 2020, 28500\$
10. Establishing an optimal, fully differentiated in vitro 3D bronchial/tracheal airway epithelial model at an Air- Liquid Interface (ALI). 2020, 20000\$.
11. DNA Methylation and Gene Expression Changes in Doxorubicin-Taxane Treated Breast Cancer Cell Lines, Response and Resistance. Scientific Research Support Fund. 2018, 90000\$.
12. Investigation of new role of the multitasking medication (metformin) as anti-aging drug in patients with type 2 diabetes. Deanship of Academic Research/The University of Jordan 2018, 21000.
13. *In vitro* propagation and evaluation of the anticancer potentials for *Commiphora glieadensis*, and extinct plant from Jordan. Deanship of Academic Research/The University of Jordan 2018, 19750\$
14. Development an in vivo animal model to investigate the anticancer effects of compounds/ extracts against Breast Cancer. 2018, King Abdullah II Fund for Development – KAUF, 6900\$.

15. Development and validation of animal model for investigation of the anticancer effects of novel synthetic compounds. Yasser Bustanji, Violet Kasabri, Yousef Hiari. Deanship of Academic Research/The University of Jordan, 2017, 17000\$.
16. Cancer Antiproliferative Evaluation of Moringa peregrina Extracts and Identification of its Volatile Oils. King Abdullah II Fund for Development – KAFD, 2017, 6900\$.
17. Design and Biological Evaluation of Flavonoid-encapsulated Polymeric Micelles As Potential Anti-cancer Nanomedicines. Deanship of Academic Research/The University of Jordan, 2016, 18700\$.
18. Design and Biological Evaluation of Polymeric Micelles As Potential Antioxidative Nanomedicines" by Violet Kasabri, Suhair Sunoqrot, Amal Akour, Yasser Bustanji, Nailya Bulatova: Deanship of Academic Research/The University of Jordan, 2016, 21,000\$.
19. Development and investigation of synthetic compounds for anticancer effects in vitro" by Yusuf AlHiari, Yasser Bustanji, Jihad Maliti and Violet Kasabri: Deanship of Academic Research/The University of Jordan, 2016; 28,000 \$.
20. Development, In Vitro Characterization and In Vivo Evaluation of Polymeric Nanocarriers for the Treatment of Glaucoma. Yasser Bustanji and Hatem AlKhatib. Deanship of Academic Research, University of Jordan, 2015, 69,000\$.
21. Biological Evaluation of in vitro inhibitory effects of some medicinal plants of the families Asteraceae, Lamiaceae and Papaveraceae native to Jordan and synthetic compounds on lipase, DPPVI and protein glycation: Scientific Research Fund-SRF/Ministry of Higher Education, 2015, 48,000\$.
22. Determination of the potential effect of certain novel designed pyridine derivatives as anticancer and anti-microbial. Deanship of Academic research, The University of Jordan. 2014, 21,000\$.
23. Nanoparticle-mediated Combination of Photodynamic Therapy and Chemotherapy to Overcome Multidrug Resistant Tumors. Scientific Research Fund, Ministry of Higher Education and Scientific Research, Jordan. 2009, 150,000 \$.
24. Development of a Spray Congealing - Based Process/Formulation Platform for the Improvement of Pharmaceutical and Biopharmaceutical Properties of Poorly-Soluble Drugs. Scientific Research Fund, Ministry of Higher Education and Scientific Research, Jordan. 2009, 102,000\$.
25. Discovery of New HER2 Inhibitors via Ligand-Based Pharmacophore Modeling and Hit Optimization for Potential Use in Cancer Disease. Hamdi Mango Center, Deanship of Academic Research, University of Jordan, 2012, 29000\$.
26. Isolation and identification of new compounds from *Ginkgo biloba* extract as potential pancreatic lipase inhibitors for management of obesity. Deanship of Academic Research, University of Jordan, 2010, 23,000\$.

27. Comparative Evaluation of the Heparin Potency in some Pharmaceutically Equivalent Products using *In-vitro* and *In-vivo* studies. Deanship of Academic Research, University of Jordan, 2010, 11,100\$.
28. Evaluation of the immunomodulatory effects of compounds / plant extracts for potential use as anti Rheumatoid arthritis agents and exploration of their mechanisms of action. Applied Science University and Jordan University, 2009, 49,000\$.
29. Molecular, cellular and *in vivo* approaches toward the treatment of colon cancer, Jordan University, 2009, 14500 \$.
30. Enhanced Oral Bioavailability of Antibacterial Agents Using Aerosol – OT Micelles Technology. Deanship of Academic Research, University of Jordan, 2009, 29,600 \$.
31. Effect of Ramadan Fasting on Immunomodulatory and Pro inflammatory Responses in Healthy Volunteers. Petra University 2009, 6700 \$.
32. Investigation of Olanzapine effects on glucose metabolism: attempts to develop new drugs. Deanship of Academic Research, University of Jordan), 2008, 19500\$.
33. Discovery of new dual inhibitors against cholesteryl ester transfer protein (CETP) and hormone sensitive lipase (HSL) via ligand-based pharmacophore modelling and QSAR Analysis and followed by hit optimization. Deanship of Academic Research, University of Jordan, 2008, 14000\$.
34. Screening and Assessment of the Effects of Melanin Synthesis Inhibitors from Plants Grown in Jordan on Cultured Normal Human Melanocytes for Use as New Skin Depigmenting Agents. Abdul Hameed Shoman Foundation, 2008, 21000 \$.
35. Development and evaluation of new anti- inflammatory agents and exploration of their mechanisms of action, Deanship of Academic Research, University of Jordan, 2007, 25500\$.
36. Development of a novel fast acting dosage form of repaglinide for the management of type II diabetes. Deanship of Academic Research, University of Jordan, 2005, 15350\$.
37. Screening and Evaluation of new compounds/extracts as potential anti obesity agents. Deanship of Academic Research, University of Jordan. 2006, 24000\$.
38. Screening and Evaluation of new compounds/extracts for potential protective effects against diabetic complications. Deanship of Academic Research, University of Jordan, 2005, 30000\$.
39. Application of casein – drug interaction in the development of controlled release dosage forms. Deanship of Academic Research, University of Jordan, 2005, 11000\$.
40. Testing of non-nucleoside compounds predicted by computer pharmacophore modeling of HIV type-1 reverse transcriptase inhibitors as novel anti-human immunodeficiency virus (AIDS), Deanship of Academic Research, University of Jordan, 2004, 24500\$.
41. Testing of Protein Tyrosine Phosphatase (PTPase) inhibitors captured by *in-Silico* Screening as potential new hypoglycemic agents, Deanship of Academic Research, University of Jordan, 2003. 14400\$.

42. Antibiotic Resistance Surveillance in Jordan, Deanship of Academic Research, University of Jordan, 2003, 7350\$.
43. Pharmaceutical Exploitation of Olive Oil Mill Waste (OMW) Water and Recovery of Natural Antioxidants in a Commercial Scale. Submitted to the Higher Council for Science and Technology (**submitted**)

PROFESSIONAL PARTICIPATIONS:

1. **Yasser Bustanji.** BIO Startup MENA 2018. Ankara on May 13-15. (BIO Startup Accelerator Program providing entrepreneurs in their startups with the opportunity to take part in the BIO International Convention. This Program is sponsored by MSD and held by TEPAV in collaboration with ReDis Innovation and Viveka.
2. Training & Workshop on " Training of trainers of Business Model Canvas". The University of Cyprus, Nicosia, 14-20/1/2018
3. **Yasser Bustanji,** Nanoparticles of Chitosan Derivatives Improve Oral Doxorubicin Bioavailability. Yasser Bustanji 4th Annual International Conference on Pharmaceutical Sciences, 1-4 May 2017, Athens, Greece:
4. **Yasser Bustanji.** Identification of New Compounds from Ginkgo Biloba Extract as Potential Pancreatic and Hormone Sensitive Lipase Inhibitors for Management of Obesity.3rd Annual International Conference on Pharmaceutical Sciences, 2-5 May 2016, Athens, Greece: An International Symposium on Diabetes", Monday 2 May 2016, Athens, Greece.
5. 7th International conference of the Royal Medical Services and 4th ICMC pan Arab regional working group congress on military medicine (moderator in pharmacy session). 4-7 Nov 2014, Dead Sea, Jordan.
6. Faculty of Pharmacy (Jordan University) Scientific Day, May 7th, 2009, Amman, Jordan.
7. Faculty of Pharmacy (Jordan University) Scientific Day, May 22nd, 2008, Amman, Jordan.
8. The 3rd International Conference of the Royal Medical Services (In collaboration with the Royal College of Physicians of London), April 5th-8th 2006, Amman, Jordan.
9. Faculty of Pharmacy (Jordan University) Scientific Day, June 2nd, 2005, Amman, Jordan.
10. 1st Pharmaceutical Scientific Day of the Royal Medical Services (RMS), December 23rd, 2004, Amman, Jordan.
11. Workshop "Assuring the Quality of Your bioequivalence Study" Sponsored by JPA and Al Zaytoonah University, 29th March 2008.
12. Workshop "Clinical studies in Jordan: Current and future prospective; Sponsored by JFDA 23rd April, 2008.

13. The First JAPM Bioequivalence Conference: Regulations and Debates. 14-15 July 2008. Amman, Jordan.
14. The second JAPM Bioequivalence Conference: Regulations and Debates. 20-21 May 2009. Amman, Jordan
15. The third JAPM Bioequivalence Conference: Regulations and Debates. 13-14 April 2010. Amman, Jordan.
16. Institutional Review Board (IRB) Training, workshop organized by the Jordanian Association of Pharmaceutical Manufacturers (JAPM) and sponsored by USAID, July 31st, 2010, Amman, Jordan.

POSTER PRESENTATIONS:

1. Amal Akour, Violet Kasabri, Nailya Bulatova, **Yasser Bustanji**, Randa Naffa, Dana Hyasat, Nahla Khawaja, Haidar Bustanji, Ayman Zayed, Munther Momani ‘ ‘ Levels of metabolic markers in drug-naive prediabetic and type 2 diabetic patients’’ DANIEL TURNBERG ALUMNI CONFERENCE; CYPRUS; Nov 9TH-10TH, 2016.
2. Teeba F. Al-Adhami , Violet Kasabri; Amal Akour; **Yasser Bustanji**, " The Study of Correlation of Oxytocin and Cholecystokinin Plasma Levels in Diabetic and Non-Diabetic Patients with Metabolic Syndrome: A Cross-Sectional Study in Jordan". Excellence in Pharmacy Education & Research: A Quality Approach: The 4th International Conference of the School of Pharmacy at The University of Jordan & The 2nd Conference of the Association of Faculties of Pharmacy at Jordanian Universities 2016/10/25-27;
3. Eman Y. Abu-rish, Violet Kasabri, Mohammad M. Hudaib, Sundus Mashalla, Loay Mashallah, Khaled Tawaha, Mohammad K. Mohammad, Yehia S. Mohamed, **Yasser Bustanji** "In vitro evaluation of the antiproliferative activity of some medicinal plants traditionally used against cancer in Jordan". The 1st International Conference on Natural Products and drug Discovery, The University of Jordan, Sept 8th-10th, 2015.
4. Eman Y. Abu-rish, Violet Kasabri, Mohammad M. Hudaib, Sundus Mashalla, Loay Mashallah, Khaled Tawaha, Mohammad K. Mohammad, Yehia S. Mohamed, **Yasser Bustanji** "In vitro evaluation of the antiproliferative activity of some medicinal plants traditionally used against cancer in Jordan". ZTIPC 2015: AlZaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference “Frontiers in the pharmaceutical sciences and pharmacy practice: A global perspective’’ in October 21ST, 2015.
5. Shereen Al-Eide, Mohammad Mohammad, **Yasser Bustanji**. Evaluation of adiponectin serum levels in Jordanian type 2 diabetic patients. The 15th scientific Congress of the Association of the Pharmacy Colleges in the Arab World The 3rd International Conference of the Faculty of Pharmacy / the University of Jordan. The University of Jordan. Amman – Jordan
6. Noor Barham, **Yasser Bustanji**, Mohammad Mohammad. Evaluation of lipoprotein (a) levels in type 2 diabetic Jordanian patients. The 15th scientific Congress of the Association of the

Pharmacy Colleges in the Arab World The 3rd International Conference of the Faculty of Pharmacy / the University of Jordan. 9-11 October 2012, The University of Jordan. Amman – Jordan

7. Eman Ribhi, Mohammad Mohammad & **Yasser Bustanji**. Aspirin resistance among Jordanian population. Faculty of Pharmacy (University of Jordan) Scientific Day, Amman, Jordan, May 6th, 2010.
8. Needa Zalloum, **Yasser Bustanji** & Mohammad Mohammad. Screening and evaluation of available hypoglycemic agents for their potential protective and treating effects of diabetic retinopathy. Faculty of Pharmacy (University of Jordan) Scientific Day, Amman, Jordan, May 6th, 2010.
9. Ibrahim Ramadan, **Yasser Bustanji** & Mohammad Mohammad. Bioassay and potency determination of enoxaparin products available in the Jordanian market. Faculty of Pharmacy (University of Jordan) Scientific Day, Amman, Jordan, May 6th, 2010.
10. Rund Al Fanek, **Yasser Bustanji**, & Hatim AlKhatib. Evaluation of The Effect of Triglycerides on The Physical & Controlled-Release Properties of Carbamazepine-Loaded Wax Microparticles. Faculty of Pharmacy (University of Jordan) Scientific Day, Amman, Jordan, May 6th, 2010.
11. Randa Mansour, **Yasser Bustanji**, and Hatim S. AlKhatib. Development of Carbamazepine – Loaded Wax Microparticles for Incorporation in Controlled Release Suspensions: Effect of Surfactant Type and Content. Faculty of Pharmacy (University of Jordan) Scientific Day, Amman, Jordan, May 6th, 2010.
12. Rania Hamam, **Yasser Bustanji**, & Hatim S. AlKhatib. Effect of Enzymatic Lipolysis on Drug Release from a Lipid – Based Drug Delivery System. Faculty of Pharmacy (University of Jordan) Scientific Day, Amman, Jordan, May 6th, 2010.
13. Ahlam Zaid Alkelani, Mohammad Mohammad, Hatim AlKhatib, **Yasser Bustanji**. Development and validation of HPLC method for the determination of β -sitosterol in pharmaceutical product (MEBO). Faculty of Pharmacy (Jordan University) Scientific Day, Amman, Jordan, May 7th, 2009.
14. Hadil Zaiat, Mohammad & **Yasser Bustanji**. The immunomodulatory effect of Gemifloxacin on human peripheral mononuclear blood cells. Faculty of Pharmacy (Jordan University) Scientific Day, Amman, Jordan, May 7th, 2009.
15. Nizar Al-Zoubi, Hatim Al Khatib, **Yasser Bustanji**, Khaled Aiedeh. Sustained release buspirone HCl microparticles prepared by cospray-drying with aqueous polymeric dispersions. Poster presentation, 13th Pan-Hellenic Pharmaceutical Congress, Athens, Greece, May 12-14, 2007.
16. Amal Al-Bakri, **Yasser Bustanji**, Al-Motassem Yousef. Community antibacterial consumption in Jordan: Prudent use or Misuse and Abuse. 4th Arab Symposium for Antimicrobial Agents, April 20th-25th 2006, Tunis.

17. Hatim AlKhatib, Suha Mohesin, Khaled Aiedeh and **Yasser Bustanji**. Effect of Formulation Variables on the Drug Release Stability of Polyvinyl Acetate / Povidone – Based Matrices. 8th International Symposium on Pharmaceutical Sciences (ISOPS8), June 13th-16th, 2006, Ankara, Turkey.
18. **Yasser Bustanji**, Mutasem O. Taha, Al-Motassem Yousef Amal G. Al- Bakri. Protein Tyrosine Phosphatase 1B Inhibition by Berberine. The 9th International Pharmaceutical Sciences Conference and Exposition, December 17th-21st, 2005, Riyadh, Kingdom of Saudi Arabia.
19. **Yasser Bustanji**, Bruno Samori. Force Spectroscopy of Single Molecules of Human Angiostatin Kringle Domains. 1^o Sigma Aldrich Young Chemists Symposium, October 18th-19th, 2001, Riccione, Italy.
20. **Yasser Bustanji**, Matteo Conti, Carla Arciola, Lucio Montanaro, Bruno Samori. Dynamical Strength of the Adhesion of Plasma Proteins to Living Cells: The Force Spectroscopy Approach. Proceedings of 5th Multinational Congress on Electron Microscopy, page 563-564, September 20th-25th, 2001, Lecce, Italy. (It was selected for oral presentation and awarded the primer of Carla Milanese).
21. **Yasser Bustanji**, Bruno Samori. Single Molecule force Spectroscopy of Human Kringle Domains. Proceedings of 5th Multinational Congress on Electron Microscopy, page 56, September 20th-25th, 2001, Lecce, Italy.
22. Bruno Samori, Anna Bergia, **Yasser Bustanji**, Matteo Conti, Laura Fiume, Giampaolo Zuccheri. In the World of Single Molecule with Scanning Force Microscope. Consorzio interuniversitario "Istituto Nazionale di Biostrutture e Biosistemi". September 6th-8th, 2001, Bressanone, Italy.
23. **Yasser Bustanji**. Protein Manipulation at a single Molecule Level with Scanning force Microscope. Corso Avanzato in Chimica Farmaceutica e Seminario Nazionale per Dottorandi. July 1st-5th, 2001, Urbino, Italy.
24. **Yasser Bustanji**, Matteo Conti, Enrico Mandello, Carla Arciola, Lucio Montanaro, Bruno Samori. the interaction of Fibronectin with Staphylococcus epidermidis at Single Molecule level. XX Congresso Nazionale Delle Socita Chimica Italiana, June 4th-9th, 2000, Rimini, Italy.
25. **Yasser Bustanji**, Matteo Conti, Giuseppe Falini, Bruno Samori. The Mechanical Stability of the Sulfur-Gold Bond (Poster). 4th Multinational Congress on Electron Microscopy, September 5th-8th, 1999, Veszprem, Hungary.

PODIUM PRESENTATIONS:

1. **Yasser Bustanji**, Mohammad Hudaib, Hatim AlKhatib, Mohammad Mohammad & Ihab Almasri Identification of New Compounds from Ginkgo Biloba Extract as Potential Pancreatic and Hormone Sensitive Lipase Inhibitors for Management of Obesity. 3rd Annual International Conference on Pharmaceutical Sciences, 2-5 May 2016, Athens, Greece

2. Violet Kasabri (presenter), Fatma U Afifi, **Yasser Bustanji**, Sundus Mashallah, Randa Naffa, Hala S. Mehdi (April 2016) "In vitro enhancement of pancreatic β cells MIN6 proliferation by insulinotropic *Gymnema sylvestre* aqueous extracts: evidence-based regenerative therapeutic capacity of a medicinal herb". The 4th International Jordanian Conference of the Jordan Society for Medical Laboratory Sciences; The 1st for the Association of Laboratory Proprietors and Medical Analysis, In collaboration with The International Federation of Clinical Chemistry and Laboratory Medicine & Arab Federation of Clinical Biology, Landmark Amman Hotel & Conference Center, 7-9/4/2016 Amman-Jordan. Oral podium presentation
3. Violet Kasabri (Presenter), Entisar K. Al-Hallaq, Shtaywy S. Abdalla, Yasser K. Bustanji, Fatma U. Afifi, "Anti-obesity and antihyperglycemic effects of *Crataegus aronia* extracts: In vitro and in vivo evaluations". Excellence in Pharmacy Education & Research: A Quality Approach: The 4th International Conference of the School of Pharmacy at The University of Jordan & The 2nd Conference of the Association of Faculties of Pharmacy at Jordanian Universities 2016/10/25-27; Oral podium presentation
4. Violet Kasabri (presenter), Fatma U Afifi, Yasser Bustanji, Sundus Mashallah, Randa Naffa, Hala S. Mehdi "In vitro enhancement of pancreatic β cells MIN6 proliferation by insulinotropic *Gymnema sylvestre* aqueous extracts: evidence-based regenerative therapeutic capacity of a medicinal herb". CIPAM2016: 6th International Congress of Aromatic and Medicinal Plants. On 29/5 – 1/6/2016 at COIMBRA-PORTUGAL. Oral Podium Presentation
5. Yusuf. M. Al-Hiari, Violet N. Kasabri, Ashok K. Shakya, Muhammad H. Alzweiri, Fatma U. Afifi, **Yasser K. Bustanji**, Ihab M. Al-Masri "New Antibacterial Fluoroquinolones with potential antiobesity effects" ZTIPC 2015: AlZaytoonah University of Jordan and the University of Toledo International Pharmaceutical Conference "Frontiers in the pharmaceutical sciences and pharmacy practice: A global perspective" in October 21ST, 2015.
6. Violet Kasabri, Fatma U Afifi, **Yasser Bustanji**, Sundus Mashallah, Randa Naffa, Hala S. Mehdi ("In vitro enhancement of pancreatic β cells MIN6 proliferation by insulinotropic *Gymnema sylvestre* aqueous extracts: evidence-based regenerative therapeutic capacity of a medicinal herb"المؤتمر الدولي الرابع للجمعية الأردنية للعلوم المخبرية الطبية و المؤتمر الدولي الأول لنقابة أصحاب المختبرات والتحليل الطبية – الأردن
7. Yusuf. M. Al-Hiari, Violet N. Kasabri, Ashok K. Shakya, Muhammad H. Alzweiri, Fatma U. Afifi, **Yasser K. Bustanji**, Ihab M. Al-Masri. "Fluoroquinolones: novel class of gastrointestinal dietary lipid digestion and absorption inhibitors"; 15th National Congress of Pharmacy from Romania, XVth Edition, 24-27th September 2014, lecture and abstract, Palas Complex, Iași, Romania. Oral Podium Presentation
8. Violet Kasabri, Fatma U Afifi, **Yasser Bustanji**, Sundus Mashallah, Randa Naffa, Hala S. Mehdi "In vitro enhancement of pancreatic β cells MIN6 proliferation by insulinotropic *Gymnema sylvestre* aqueous extracts: evidence-based regenerative therapeutic capacity of a

- medicinal herb". CIPAM2016: 6th International Congress of Aromatic and Medicinal Plants. On 29/5 – 1/6/2016 at COIMBRA-PORTUGAL. Oral Podium Presentation
9. **Yasser Bustanji**, Role of pharmacist in interpretation of laboratory tests. 15th Jordan Pharmacists Association Conference, 3-5 April 2014. Amman Jordan.
 10. **Yasser Bustanji**. How to evaluate Bioequivalence studies. 1st Bioequivalence symposium in Morocco. 6-7 Dec 2012. Rabat, Morocco.
 11. **Yasser Bustanji**, Ihab M. Al-Masri, Mohammad Mohammad, Mohammad Hudaib, Khaled Tawaha, Hamada Tarazi, and Hatim S. AlKhatib. Pancreatic lipase inhibition activity of trilactone terpenes of *Ginkgo biloba*. The 15th scientific Congress of the Association of the Pharmacy Colleges in the Arab World The 3rd International Conference of the Faculty of Pharmacy / the University of Jordan. The University of Jordan. Amman – Jordan
 12. Tarek M. K. Motawi1, **Mohamed A. S. Al Ghusein**, Shohda EL-Maraghy, Mutasem Taha and Yasser Bustanji. Naproxen and Cromolyn as New Glycogen Synthase Kinase 3 β Inhibitors: by Molecular Modeling Techniques and subsequent in vitro/in vivo Biochemical Evaluation to be used in the treatment of Diabetes and Obesity.
 13. **Yasser Bustanji**, Dyslipidemia: Classification and Clinical Implications. Jordan Phramceutical Association Scientific day. 15 April 2011. Amman, Jordan.
 14. **Yasser Bustanji**. New approaches in the management of Diabetes Mellitus. The Sixth Palestinian Pharmaceutical & 2nd Clinical pharmacy Conference 7-9 Apr 2010. Betlehem, Palestine.
 15. Randa Mansour, Hatim S. AlKhatib & **Yasser Bustanji**. Evaluation of the Effect of Surfactant Type and Content on the Physical and Controlled Release Properties of Carbamazepine Loaded Wax-Microparticles Prepared by Melt Emulsification Technique. The Second Graduate Studies Research Conference, October 27-29, 2009. Amman, Jordan.
 16. Mo'z Al-Islam" Faris, Hamed R. Takruri, Maha. S. Shomaf & **Yasser Bustanji**. Chemopreventive effect of raw and cooked lentils (*Lens culinaris* L) and soybeans (*Glycine max*) against Azoxymethane-induced aberrant crypt foci. The 2nd Graduate Studies Research Conference, October 27-29, 2009. Amman, Jordan.
 17. Hatim S. AlKhatib, **Yasser Bustanji**, Mahmoud Thawabtah, Khaled Aiedeh, & Mohammad Mohammd. Evaluation and Optimization of a Lipid Based Drug Delivery System. XXXI Conference of Pharmaceutical Sciences organized by the Egyptian Pharmaceutical Society, December 23-25, 2008, Cairo, Egypt.
 18. Hatim AlKhatib, Khaled Aiedeh & **Yasser Bustanji**. Interaction of casein and Diltiazem HCl: Implications for Controlled Release Formulation. The 3rd International Conference of the Royal Medical Services (In collaboration with the Royal College of Physicians of London), April 5th-8th 2006, Amman, Jordan.
 19. **Yasser Bustanji**, Mutasem Taha, Al-Motassem Yousef, Amal Al- Bakri. Protein Tyrosine Phosphatase 1B inhibitors as Potential New Hypoglycemic Agents. The 3rd International Conference of the Royal Jordanian Medical Services. April 5th- 8th, 2006, Amman, Jordan

20. Hatim Alkatib, Khaled Aiedeh, **Yasser Bustanji**. Interaction of Casein and Diltiazem HCl: Implications for Controlled Release Formulation. The 3rd International Conference of the Royal Jordanian Medical Services, April 5th-8th, 2006, Amman, Jordan.
21. Amal Al-Bakri, **Yasser Bustanji**, Al-Motassem Yousef. Antibacterial Drug Consumption among Jordanian Population: Current Situation and Future Plans. The 3rd International Conference of the Royal Jordanian Medical Services, April 5th-8th, 2006, Amman, Jordan.
22. **Yasser Bustanji**, Matteo Conti, Lucio Montanaro, Bruno Samorì. The Interaction between a Fibronectin Molecule and a Living Bacterium Using Scanning Force Microscope. The 2nd International Conference of the Royal Jordanian Medical Services, October 7th-10th, 2003, Amman, Jordan.
23. **Yasser Bustanji**, Matteo Conti, Carla Arciola, Lucio Montanaro, Bruno Samorì. Dynamical Strength of the Adhesion of Plasma Proteins to Living Cells: the force Spectroscopy Approach. Proceedings of 5th Multinational Congress on Electron Microscopy, page 563-564, September 20th-25th, 2001, Lecce, Italy.
24. **Yasser Bustanji**. Single Molecule force Spectroscopy. 3^o Digital Instruments Italian Users Meeting. May 22nd, 2001, Roma, Italy.
25. **Yasser Bustanji**, Bruno Samorì. The force Spectroscopy with Atomic force Microscope. Da'll oggetto all'immagine giornate su microscopie, segnali, immagini e tecniche associate (presentaion in English). June 27th-28th, 2001, Piza, Italy

GRADUATE STUDENTS SUPERVISION:

1. **Leen Oyoun Alsoud**. Multi-omics Approach for Biomarker Discovery of Diabetes in Metabolic Syndrome - In a Jordanian Cohort Using Mass Spectrometry. Master in Pharmaceutical Sciences, College of Pharmacy University of Sharjah
2. **Noor Tarawnah**. The potential effect of scutellarein and berberine on the role of aquaporins 1,3, and 5 in invasion and metastasis of HT-29, SW-480 and HCT116 human colon cancer cell lines. **Ph.D** in Biological Sciences . Faculty of Science / University of Jordan, In progress research.
3. **Elham Abusharaea**. Epigenomic and transcriptomic changes in glioblastoma multiform cancer stem cells of U-87 cell line **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, In progress research
4. **Seham Ghannam**. Invading cancer cells with quercetin using nanotechnology (in vitro by multi walled carbon nanotubes. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan. In progress research.
5. **Hadeel AlHusaein**. Chitosan Functionalized Multi-Walled Carbon Nanotubes as Nanocarriers for Delivery of Berberine in Cancer Cells. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan. In progress research.

6. **AR Althaher.** Phytochemical Analysis, In vitro Assessment of Antioxidant Properties and Cytotoxic Potential of of some medicinal plants. **Ph.D** in Biological Sciences . Faculty of Science / University of Jordan, In progress research.
7. **Hana Bajes.** The Potential Proliferative, Apoptotic, and Antioxidant Activities of Essential Oils of *Thymus capitatus* (L.) Hoffmanns. & Link, *Juniperus phoenicea* L., *Lonicera etrusca* Santi., and *Alcea setosa* (Boiss.) Alef. on Human Breast and Colon Cancer Cell Lines and Normal Human Fibroblasts. **Ph.D** in Biological Sciences . Faculty of Science / University of Jordan, In progress research.
8. **Rahaf Khlaifat.** Design ,characterization of novel Chitosan-Heparan nanoparticles loaded with antiviral agent. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan. **2020.**
9. **Zainab Lafi.** Formulation and Functionilition of aptamer-guided pH-sensitive liposomes for targeted drug delivery of Echinomycin-cyclodextrin com;ex into cancer cells. **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, **2020.**
10. **Lubna Gharaibah.** Aptamer-Guided liposomes for selective delivery of SiRNA combinations into cancer cells. **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, **2020**
11. **Maha Abu Hajleh.** Development, in vitro and in vivo evaluation of parenteral depot formulation of hydrophobic valproate ion pairs. **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, **2019.**
12. **Layila Omari.** A comparative study on the effects of sublingual glutathione supplementation on selected oxidative stress biomarkers in blood from human individuals with autism and down syndrome in Jordan. . **Ph.D** in Biological Sciences . Faculty of Science / University of Jordan, **2019**
13. **Amer Mustafa Amer.** Antitumor activity of nanoliposomes encapsulating Echinomycin. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan. 2018
14. **Sara Khalil Jumah.** Antiproliferative properties of new fluoroquinolons dervatives **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan. 2018
15. **Reem Sami Al-quoqa.** Study The Correlation Between Plasma Levels Of Myeloperoxidase And Alpha 1- Acid Glycoprotein In Diabetic And Non-Diabetic Patients With Metabolic Syndrome: A Cross-Sectional Study. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan. 2017
16. **Ala Hamdan.** Assessment of dual antioxidative-antiglycation activities of new flouroquinolones. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan.2018
17. **Reem Jebarah.** Anticancer Effects Of Majorana Syriaca L. Rafi And Ecballium Elaterium (L). Grown In Jordan And Evaluation Of Their Volatile Oils' Composition. Master in Pharmaceutical Sciences. 2017

18. **Islam Al Ashram.** Evaluation of the renal safety of direct acting antivirals in chronic hepatitis C patients. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan. Ongoing project, 2018.
19. **Abeer Khraisha.** Evaluation of potential cytotoxic effect of Vitamin D on different human cancer cell lines. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan., 2017.
20. **Aya Qasem.** Evaluation of potential cytotoxic effect of different Proton Pump Inhibitors on different human cancer cell lines. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2017.
21. **Isra' Bani Hani.** The cytotoxic effect and antioxidant potential of some selected wild medicinal plants in Jordan. **Ph.D** in Biological Sciences (Immunology). Faculty of Science / University of Jordan, **2018**
22. **Hanan Hammad.** Cancer Antiproliferative Evaluation of Seed Extracts of Moringa peregrina and Identification of its Volatile Oils. **M.Sc** in Biological Sciences (Immunology). Faculty of Science / University of Jordan, **2018**
23. **Rawan Karaki.** Development and Characterization of a Micellar Drug Delivery Platform for Poorly-Soluble, Efflux pump – Substrate Drugs. **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2016.
24. **Mohammad Majdoob.** Development, In Vitro Characterization and In Vivo Evaluation of Polymeric Nanocarriers for the Treatment of Glaucoma. **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2016.
25. **Amani Alhadid.** The role of putative anti glycating agents in inhibiting the formation of advanced glycaion endproducts(AGEs). **Ph.D** in Biological Sciences (Immunology). Faculty of Science / University of Jordan, 2016.
26. **Riham NasrAllah.** The association between plasma levels of oxytocin (OXT) and oxyntomodulin in diabetic and non diabetic patients with metabolic syndrome (MS) in Jordan: A cross-sectional study. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, **2016**
27. **Onnessa Nuaimat.** The association between plasma levels of oxytocin (OXT) and chemerin in diabetic and non diabetic patients with metabolic syndrome (MS) in Jordan: A cross-sectional study. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2016
28. **Teeba AlAdhami.** The association between plasma levels of oxytocin (OXT) and cholecystokinin in diabetic and non-diabetic patients with metabolic syndrome (MS) in Jordan: A cross-sectional study. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan. 2016
29. **Shereen Arabiat.** New antibacterial triazolo-quinolones as potential pancreatic lipase inhibitors. **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2016

30. **Islam Berdaweel.** Biguanides: Determination of its beneficial role in ER-positive breast carcinoma growth inhibition. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2016
31. **Shada Elhayek.** Assessment of immunomodulatory effects of Tigacycline in Balb/c mice. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2015
32. **Rana Abu Farha.** Pharmacological screening of newly synthesized derivatives of nicotinic acid and isonicotinic acid as potential anti-hyperlipidemic, antioxidant and cytotoxic agents. **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2015.
33. **Mais Neami.** Evaluation of the effects of oxytocin (OXT) plasma levels on metabolic syndrome (MS) biomarkers in type 2 diabetes (T2DM) patients in Jordan: a cross sectional study. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2015.
34. **Amani Harb.** Effect of beta caryophyllene and Eugenol as antioxidant compounds on hypercholesterolemic rats. **M.Sc** in Biological Sciences (Immunology). Faculty of Science / University of Jordan, 2014.
35. **Ahmad Shtiawi.** Development of Polymeric Formulation for the Delivery of Chemopreventive Agents. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2013
36. **Eman Ghazi Shayeb.** Determination of insulin like growth factor-I level in Jordanian patients with non insulin dependent diabetes mellitus **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2013.
37. **Nadia Quqazeh.** Screening of some plants extracts for their lipoprotein lipase inhibition activity. **M.Sc** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2013.
38. **Sara Almadani.** The effect of smoking on serum prostate specific antigen (PSA) level in a sample of Jordanian population **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2013.
39. **Mohammad Matarnh.** Baseline characteristics and response to Ticagrelor in Jordanian patients with acute coronary syndrome: cross over study. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, **2013**.
40. **Shereen AL-Eide.** Evaluation of adiponectin serum level of Jordanian diabetic patients. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2012.
41. **Nadia Haidari.** Evaluation of High-sensitivity C-Reactive Protein baseline concentration as a screening test for Cardiovascular Risk in a healthy Jordanian Population. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2012.
42. **Noor Barham.** Determination of lipoprotein (a) level in general population and in patients with non insulin dependent diabetes mellitus. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2012.
43. **Nisreen Majeed.** A cross- sectional study of the prevalence of prediabetes phase in jordanian population. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2012.

44. **Amal Etair.** A Cross-sectional study of the effects of chronic use of metformin on the plasma levels of vitamin B12 in Jordanian patients with type 2 diabetes mellitus. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2012.
45. **Nessrin Salame.,** Antibiotic Prescribing Patterns in Community Acquired Pneumonia Patients requiring Hospitalization. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2012.
46. **Ala Rabah.** Investigation of some permeation enhancers effect on transdermal delivery of glucosamine. **MSc** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2012.
47. **Ala' Frihat.** Screening for antiviral activities of some plant extracts against Measles, Mumps and Rubella viruses. **MSc** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2012.
48. **Batol Azerbahi.** An observational Cross-Sectional study of the Prescription Patterns and Appropriateness of NSAIDs Therapy in Patients with High Cardiovascular Risk in Jordan University Hospital. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2011.
49. **Islam Gharze.** An Observational Cross-Sectional Study of the Prescription Patterns and Appropriateness of NSAIDS Therapy in Patients with Low Cardiovascular/ Moderate to High Gastrointestinal Risks in Jordan University Hospital. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2012.
50. **Luma Alatrash.** The evaluation of the cytotoxic effect of some plant extracts and their ability to inhibit the growth of aggressive human melanoma (A375.S2) through the evaluation of tyrosinase enzyme activity. **MSc** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2012.
51. **Jameel Al-Bzour.** Assessment of phosphatidy inositol 3-kinase gamma enzyme Inhibition by Salvia spp: molecular, cellular and in vivo studies. **Ph.D** in Biological Sciences (Immunology). Faculty of Science / University of Jordan. 2011.
52. **Rimal Mosa.** Evaluation of the development of anti-insulin neutralizing antibodies in diabetic patients treated with exogenous insulin. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2011.
53. **Ashraf Alrabiei.** Evaluation of plant *Salvia Triloba* extracts as potential anti obesity agents. **MSc** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2011.
54. **Ola Sallam.** Evaluation of Mannose Binding Lectin levels in Jordanian diabetic patients serum. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2011.
55. **Safia Qasimi.** Evaluation of prolonged intermittent fasting effect on immune system and some blood inflammatory cytokines in healthy volunteers. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2011.

56. **Ahlam Molay.** Use of herbs among Jordanian population for the management of chronic diseases with special emphasis on dyslipidemia. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2011.
57. **Dilia Omar.** Immunogenicity evaluation of an erythropoietin product in patients with chronic renal failure. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2010.
58. **Rand Nidal.** Evaluation of intermittent fasting effect on oxidative stress using isoprostane biomarker in the urine of human volunteers. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2010.
59. **Eman Ribhi.** Aspirin resistance among Jordanian population. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2010.
60. **Rund AlFanek.** Evaluation of effect of triglycerides carriers on the physical and controlled release properties of carbamazepine loaded wax microparticles prepared by high pressure homogenization technique. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2010
61. **Ibraheem Ramadan.** Bioassay and potency determination of enoxaparin products available in Jordanian market. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy, University of Jordan, 2010.
62. **Needa Zalloum.** Screening and Evaluation of available hypoglycemic agents for their potential protective and treating effects of diabetic retinopathy. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2010.
63. **Rania Hamam.** Effect of Enzymatic Lipolysis on Drug Release from a Lipid-Based Drug Delivery System. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy / University of Jordan, 2009
64. **Amani Hamad.** Dissolution of Enhancement of Tadalafil in tablets prepared by direct compression. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy / University of Jordan, 2009.
65. **Amal Mayaas.** Development and validation of an HPLC method for the quantification of Hydroxytyrasol in pharmaceutical and Natraceutical raw materials. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy / University of Jordan, 2009.
66. **Hadeel Alzaiat.** Immunomodulatory effect of Gemifloxacin on human peripheral mononuclear blood cells. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2009.
67. **Eman AbuRish.** Comparative study of the biological potency of recombinant human erythropoietin in pharmaceutical products in Jordan. Master Thesis. **M.Sc.** in Clinical Pharmacy, Faculty of Pharmacy / University of Jordan, 2009.
68. **Reema AbuKhalaf.** Discovery Of New Cholesteryl Ester Transfer Protein (CETP) Inhibitors Via Ligand-Based Pharmacophore Modelling and QSAR Analysis And Subsequent Hit Optimization. **Ph.D** in Pharmaceutical Sciences, Faculty of Pharmacy / University of Jordan, 2009.

69. **Lina Thahabia.** Discovery of New Hormone Sensitive Lipase Inhibitors Via Lignd-Based Pharmacophore Modeling And QSAR Analysis Followed By Experimental Validation. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy / University of Jordan, 2008.
70. **Randa Mansore.** Evaluation of Effect of Surfactant Type and Content on the Physical and Controlled Release Properties of carbamazepine Loaded Wax Microparticles Prepared by Melt Emulsification Technique. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy / University of Jordan, 2008.
71. **Mahmoud Thawabteh,** Evaluation and optimization of a lipid-based drug delivery system with enhanced dissolution/solubility properties, **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy / University of Jordan, 2007.
72. **Mohamed A.S. Al-Ghussein.** Screening and Evaluation of New Glycogen Synthase Kinase 3 β (GSK-3 β) Inhibitors as Potential New Hypoglycemic Agents Using Ligand-Based Pharmacophore Modeling and Experimental Validation. **M.Sc.** in Pharmaceutical Sciences, Faculty of Pharmacy/ University of Jordan, 2007.
73. **Ibtisam Hawamdeh.** Development and evaluation of sustained release suspensions of an antiepileptic drug for pediatric applications. **M.Sc** in Pharmaceutical Sciences, Faculty of Pharmacy / University of Jordan, 2007.

JOURNAL EDITORIAL SHIP:

- ❖ **Editorial board member:** International Journal of Life science and Pharma Reviews (IJLPR)
- ❖ **Associate editor:** Journal of Medicinal Plants Research (JMPR).
- ❖ **Editorial Board member: Journal of Pharmaceutical Technology and Drug Research (JPTDR).**
- ❖ **Editorial Board member:** DIRAST, (internationally refereed research journal published by the Deanship of Academic Research, University of Jordan, Amman).

REVIEWER RESPONSIBILITIES:

- ❖ POLS one
- ❖ Molecular Biology Reports
- ❖ African Journal of Biotechnology
- ❖ Journal of Food Biochemistry
- ❖ Journal of Enzyme Inhibition and Medicinal Chemistry
- ❖ Pharmaceutical Biology
- ❖ Journal of Medicinal Plants Research
- ❖ Applied Polymer Science
- ❖ Jordan Journal of Pharmaceutical Sciences

COMPUTER SKILLS:

- ❖ The University of Jordan Computer Driving License (UJCDL).
- ❖ Excellent command in the use of Microsoft Office applications and Endnote
- ❖ Good command of statistical software (SPSS, DATA Fit, Minitap)

Yasser Bustanji, Ph.D.

- ❖ Excellent command Design Graphics software (Adobe Photoshop, Adobe Illustrator).

COURSES TAUGHT:

- ❖ Biochemistry (I &II).
- ❖ Clinical Biochemistry for Pharmacy, PharmD, Master students
- ❖ Pharmacokinetics.
- ❖ Clinical Pharmacokinetics.
- ❖ Pharmaceutical and Biostatistics
- ❖ Protein chemistry and Enzymology (School of Science)
- ❖ Advanced Pharmacology and biotechnology for Ph.D students (school of Pharmacy)
- ❖ Biopharmaceutics and Pharmacokinetics (Applied Science University).
- ❖ Biotechnology.
- ❖ Research Project
- ❖ Selected Topics in Clinical Pharmacy.