

## Papers

1. **Zaid H**, Ismael-Shanak S., Michaeli A. and Rayan A (2012) Computerized techniques for modeling 3D structure of H4 receptor. *Frontiers in Bioscience*; 17: 232-247.
2. **Zaid H.**, Silbermann M., Ben-Areyieh E. and Saad B. (2012). Greco-Arab and Islamic herbal-derived anti-cancer modalities: From tradition to molecular mechanisms. *eCAM*; 2012: 1-13.
3. **Zaid H.**, Said O., Hadih B. and Saad B. (2012) Diabetes prevention and treatment with Greco-Arab and Islamic-based natural products. *JAMI'A*; 15; 19-38.
4. Abo-Galion A. Kamil A., Rezekallah H. **Zaid H.** and Saad B. (2012) Arab and Islamic herbal Cancer treatment. (In Arabic) *JAMI'A*; 15; 161-176.
5. **Zaid H**, Ismael-Shanak S., Michaeli A. and **Rayan A** (2011) Computerized techniques for modeling 3D structure of H4 receptor. *Frontiers in Bioscience (in press)*.
6. **Hilal Zaid**, Siba Ismael, Amit Michaeli and **Anwar Rayan** (2011). "Computerized modeling techniques predict the 3D structure of H4 receptor: facts and fiction", *Frontiers in Bioscience*. In press.
7. Oleg Ursu, **Anwar Rayan**, Amiram Goldblum, Tudor I. Oprea (2011). "Understanding drug-likeness". *WIREs Computational Molecular Science*. Published online Apr 28 2011, DOI: 10.1002/wcms.52
8. **Anwar Rayan**, David Marcus and Amiram Goldblum. "Predicting Oral Drug-likeness by Iterative Stochastic Elimination". *J Chem Inf Model*. 22; 50(3): 437-45 (2010).
9. Rami Abu Fanne, Taher Nassar, Sergey Yarovoi, **Anwar Rayan**, Itschak Lamensdorf, Michael Karakoveski, Polianski Vadim, Mahmud Jamal, Douglas B. Cines and Abd Al-Roof Higazi. "Blood brain barrier permeability and tPA-mediated neurotoxicity". *Neuropharmacology*, 58(7): 972-80 (2010).
10. **Anwar Rayan**, Mizied Falah, Hafiz Mawasi and Nur-Eldin Raiyn. "Assessing drugs for their cardiotoxicity". *Letters in Drug Design & Discovery* 7(6):409-414 (2010).
11. **Hilal Zaid**, Jamal Raiyn, Ahmed Nasser, **Bashar Saad** and **Anwar Rayan** (2010). "Physicochemical Properties of Natural Based Products versus Synthetic Chemicals". 3: 194-202 (2010).
12. **Hilal Zaid**, **Anwar Rayan**, Omar Said and **Bashar Saad** (2010). "Cancer Treatment by Greco-Arab and Islamic herbal medicine". 3: 203-212 (2010).
13. Salvatore Guccione, Chiara Platania, Nir Shachaf, Danilo Milardi, Matteo Pappalardo and **Anwar Rayan**. "Is it possible to increase hit rates in virtual screening by multiple focusing? Indexing chemicals for their H4R antagonism", *Inflamm. Res.* 59 (S4): S351-352 (2010).

14. **Anwar Rayan**. "Indexing drugs for their cardio-toxicity", *Inflamm. Res.* 59 (S4): S357-358 (2010).
15. **Zaid H** and **Saad B** (2010). Cancer treatment in the Arab-Islamic medicine: Integration of tradition with modern experimental trails. *JAMI'A*, 14, 13-40.
16. Guccione S., Platania C., Shachaf N., Milardi D., Pappalardo M. and **Rayan A**. "Is it possible to increase hit rates in virtual screening by multiple focusing? Indexing chemicals for their H4R antagonism", *Inflamm. Res.* 59 (Suppl 4): S351-S352 (2010).
17. Ursu O., **Rayan A.**, Goldblum A., Oprea T.I. (2010). "Understanding drug-likeness". Review article in *WIREs Computational Molecular Science*. In press.
18. Aboul-Ata, A-A. E., Anfoka, G., **Zeidan, M.**, and Czosnek, H. (2010). Diagnosis of Cereal Viruses in the Middle East. *Journal of International Virology*
19. **Rayan A**, "The utility of Intelligent Learning Engine in Drug Discovery Informatics", *Proceedings of the British Pharmacological Society*, 7(4): 26 (2010).
20. **Rayan A**, "New vistas in GPCR 3D structure prediction", *J Mol Model*, 16(2): 183-191 (2010).
21. **Zaid H**, Raiyn J, **Saad B** and **Rayan A**. (2010). Natural Likeness of Chemicals. *The Open Nutraceuticals Journal*; 3: 194-20.
22. **Zaid H**, **Rayan A.**, Said O. and **Saad B** (2010). Cancer treatment by Greco-Arab and Islamic herbal medicine. *The Open Nutraceuticals Journal*, 203-212.
23. Mizied Falah, Taher Nassar and **Anwar Rayan**, "A Simple Approach for Discriminating 'Cardio-safe' drugs from Non-safe ones". *Bioinformatics* 3(9), 389-393 (2009).
24. **Anwar Rayan**, "New Tips for Structure Prediction by Comparative Modelling", *Bioinformatics*, 3(6), 263-267 (2009)
25. **Anwar Rayan**, Mohamed Hegaze and Jamal Raiyn, "How Much Bovine Rhodopsin Crystal Structure is Useful for Modeling Human GPCRs? B2-Adrenergic Receptor as a Test Case", *Proceedings of biosignals 2009*, 291-298 (2009).
26. Jamal Rayan and **Anwar Rayan**, "How Much Sequence Identity Guarantee Good Models in Homology Modeling: Proteins from Serine Protease Family as a Test Case", *Proceedings of biosignals 2009*, 455-458 (2009).

27. Said O, Khalil K, Fulder S, Marie Y, Kassis E, and **Saad B**, (2009) A double blinded- randomized clinical study with "Weighlevel", a combination of four medicinal plants used in traditional Greco-Arab and Islamic medicine *The Open Complementary Medicine Journal* 1:100-15
28. **Saad B** , Rola JadAllah, Harbi Daraghmeh, and Omar Said (2009) Medicines and Method of Therapy in the Arab and Islamic Medicine *International Journal, Bioscience Biotechnology Research Communications*, 2:123-132
29. Said O, **Hadih B**, Fulder S, Khalil K, Kassis E, and **Saad B**, (2009) Efficacy and safety assessments of *Ferula assa-foetida* L., traditionally used in Greco-Arab herbal medicine for enhancing male fertility, libido and erectile function. *The Open Complementary Medicine Journal*
30. Azaizeh H, **Saad B**, Cooper E, and Said O (2008) Traditional Arabic and Islamic Medicine (TAIM), a re-emerging health aid. *eCAM* 2008; Page 1 of 6 doi:10.1093/ecam/nen039
31. Said O, **Saad B**, Fulder S, Amin R, Kassis E , and Khalil K Hypolipidemic activity of extracts from *Eriobotrya japonica* and *Olea europaea*, traditionally used in the Greco-Arab medicine in maintaining healthy fat levels in the blood. *The Open Complementary Medicine Journal*.
32. **Saad B**, Soudah AbouAtta B, Basha W, Kmeel AS, Khasib S, Hmade A, and Said O. (2008) Herbal-derived factors down regulate the production levels of nitric oxide and pro-inflammatory cytokine TNF $\alpha$  in LPS-Activated THP-1 cells. *eCAM* 2008; doi:10.1093/ecam/nen056
33. Said O, **Saad B**, Fulder F, Khalil K, and Kassis E, Weight Loss in Animals and Humans Treated with 'Weighlevel', a Combination of Four Medicinal Plants Used In Traditional Arabic and Islamic Medicine, *Evid. Based Complement. Altern. Med.*, Advance Access published on October 24, 2008; doi: doi:10.1093/ecam/nen067
34. Said O, Fulder S, Khalil K, Azaizeh H, Kassis E, and **Saad B**, (2008) Maintaining a physiological blood glucose level with "Glucoclevel", a combination of four anti-diabetes plants used in traditional Arab herbal medicine . *eCAM* 5:421 - 428
35. Azaizeh H, Kobaisy M, Dakwar S, **Saad B**, Said O, and Duke S, (2007) Botanical Pesticides as a Source of Safe Bio-Acricides for the control of *Tetranychus cinnabarinus* mites *Acta Phytopathologica et Entomologica Hungarica* 42:143–152