

Biography and research interest

Professor **Ali El-Halawany** is a graduate of the Faculty of Pharmacy, Cairo University (1996). He completed his master's degree in pharmacognosy in 2002 at the same institution. He was awarded the Japanese government "Monbukagakusho" scholarship by MEXT (Ministry of Education, Culture, Sports, Science, and Technology), as a Ph.D. student at the Institute of Natural Medicine, Toyama University, Toyama, Japan where he received his Ph.D. degree in Natural Products. He was then awarded a two-year postdoctoral position at the same university.

From 2014 till now he has been working as an Assistant/Associate professor/Full Professor in the department of pharmacognosy, Cairo university in addition to several visiting scholar/professor positions in different Universities such as Helwan University, El-Nahda University, and King Abdul-Aziz University. Besides, He worked as a consultant for several natural product-based drug companies such as Sekem Co., Egypt.

In addition to his work at Cairo University, he is currently the chief scientific officer of Nawah Scientific Inc. He has more than 85 international publications, two book chapters, three US patents, and a cumulative Scopus h-index of 21. Also, he is working as an associate editor for the Bulletin of faculty of pharmacy, frontiers in pharmacology section ethnopharmacology and as a reviewer for several journals in the field of natural products.

Research interest

My research is mainly dealing with target-based lead discovery from natural sources with the focus on the following areas;

- Viral protease inhibitors such as HCV, HIV and SARS-COV2
- Nuclear receptors modulators such as estrogen receptors and PPAR gamma
- Fighting metabolic syndromes through testing natural products on some key enzymes such as alpha glucosidase, and pancreatic lipases. In addition to amelioration of vascular complications resulting from metabolic syndromes through inhibition of advanced glycation end products and oxidative stress parameters
- Discovery of chemotherapeutic, chemo modulatory and chemo preventive agents from natural sources through different targets such as Pgp and Nrf2 induced second phase antioxidant enzymes.