

The references for my published papers are

Badria F. A., **El-Naggar M. H.**, Abdel Bar F. M., Amer M. M.; "**New gingerol derivative and other related compounds from zingiber officinale**" Journal of Drug Discovery and Therapeutics, 2(13): 53-59, **2014**.

Abstract:

In this article we report the isolation and characterization of a new gingerol derivative, namely (S,E)-5-hydroxy-1-(4-hydroxy-3-methoxyphenyl)tetradec-8-en-3-one, (N6), and a known sesquiterpene (1,2 Dihydroxybisabol-3,10-diene, N7), isolated from Zingiber officinale rhizomes for the first time, together with other five known compounds; 6-gingerol (N1), 8-gingerol (N2), 10-gingerol (N3), 4-gingerol (N4) and 4'-O-methyl-6-gingerol (N5). The isolated compounds were identified using different spectroscopic techniques (1D and 2D-NMR, MS and IR). A modified chromatographic method was established and optimized to isolate the major gingerols (N1, N2, and N3) in grams.

-Ibrahim A. S., Sobh M. A., Eid H. M., Salem A., Elbelasi H. H., **El-Naggar M. H.**, Abdel Bar F. M., Sheashaa H., Sobh M. A., Badria F. A.; "**Gingerol-derivatives: Emerging New Therapy against Human Drug Resistant MCF-7**" Tumor Biology, 35(10):9941-9948, **2014**.

Published book:

Badria F. A., Abdel Bar F. M., **El-Naggar M. H.**; "Gingerols: New Therapeutics Applications" LAMBERT Academic publishing.

Abstract for the book:

Emerging New Therapy Against Colorectal Cancer and Human Drug Resistant Breast Cancer are among our continuous efforts and need for developing novel drug-like lead natural compounds. This book presents a remarkable anticancer activity of natural-derived compound as gingerol and its derivatives compared to the standard universal therapeutic regimen. This book describes new and modern applications of gingerols for treatment of both colorectal and breast cancer. Interestingly this book presents biological and in-silico (virtual) evaluation of potential activity of gingerols-derivatives and introduces a new hope for breast cancer patients whom developed resistance to the commonly available conventional chemotherapeutic agents. The book focuses on virtual Screening of gingerols and their derivatives, biological activity as

anticolon cancer, and furthermore introducing a new therapy for human resistant breast cancer This book may introduce a new approach with evidence-based and modern use of natural products. This book may spark an interest in making further contributions to the current scientific debate and treatment development efforts.

Master Thesis:

M. Sc. in Pharmaceutical Sciences (Pharmacognosy), from Mansoura University, Egypt. (**May 2014**)

Thesis Title: "Isolation, Derivatization, and Biological Evaluation of Gingerol Derivatives"