

# Pharmacology and Ethnopharmacology

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## *Boswellia serrata* and *Ocimum sanctum* extracts reduce inflammation in an ova induced asthma model

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This study investigated the in vivo anti-inflammatory effects of *Boswellia serrata* and *Ocimum sanctum* in HL-60 cells and in OVA-induced inflammatory lung disease in BALB/Cmice. The plant materials were collected from India. The extract and fractions were tested for their effects on leukotriene C4 synthase leukotriene A4 hydrolase and cyclooxygenase 2 in HL-60 cells. The results showed significant inhibition in in vivo and in vitro inflammation suggesting a plausible mechanism of action for the management of asthma.

### Biography

Sheila Michelle Wicks is the product of Whitney M. Young High School in Chicago, Illinois, where she was a Science major, Dance (Jazz, Modern, Tap) and Music (Mixed Chorus) major. She received her Bachelor's in Biological Sciences, with a minor in Chemistry at University of Illinois in Chicago, Graduate and Doctoral work at University of Illinois in Natural Products, Medicinal Chemistry and Pharmacognosy. While working in the Health Food Industry as an Education Specialist for Sherwyns Health Foods, Whole Food Markets, Fresh Fields, and other Nutrition Markets, Sheila received a Masters in Science in Biological Sciences at Chicago State University. This Masters degree emphasized Molecular Biology and Microbial Genetics. She later pursued a Masters in Acupuncture from Midwest College of Oriental Medicine, in Wisconsin, and later obtained a Medical Diploma from Guangzhou Medical University, in the Peoples Republic of China.

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