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## Nature the best cure: Analgesic activity of bioactive fractions of *Eryngium caeruleum* M.Bieb

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**Problem Statement:** Chronic pain is affecting more than diabetes, cancer and cardiac complications combined. Available analgesics are iatrogenic and have numerous adverse effects. Current prime options available for eradicating pain include addictive Opiates and toxic NSAIDs. Moreover, depending on conditions and age, the range of prescribing analgesics is further narrowed. Over the decades the new mechanistic of developing analgesics is less focused. This strategy for alternative analgesics will overcome the limitations found in analgesics. The development of harmless, effective and novel analgesics is a tough and highly desired task.

**Aim and Objective:** To evaluate analgesic potential and mechanistic of analgesia of bioactive fractions of *Eryngium caeruleum* in animal models.

**Methodology:** The analgesic potential and the Opioid antagonism of the bioactive fraction of *Eryngium caeruleum* were determined in animal models using chemical and thermal nociception.

**Results:** The crude extract and various bioactive fractions of *Eryngium caeruleum* exhibited significant analgesic activity and nonselective opioid antagonism ($p<0.05$-$0.001$) at a dose level of 5, 25 and 50mg/kg body weight in mice.

**Conclusion:** Remarkable analgesic activity is been possessed by various biofraction of *Eryngium caeruleum* both centrally and peripherally. The bioactive fractions were found to have more remarked activity than the marketed drugs like aspirin and gold standard morphine. An urgent effort is needed to further explore and conserve the precious species of plants which are becoming extinct due to lack of measures.

### Biography

Najjad Ali Khan is an MPhil scholar and has his expertise in doing research in collaboration with other scientists for the discovery of safe and effective drugs in natural sources. He has discovered an analgesic far better than marketed drugs. His work is needed to be showcased for promoting scientist and locals of the country. He is recently contributing with locals of hilly areas of Khyber Pukhtoonkhwa Pakistan for visualizing the pharmacological effects of medicinal plants and providing scientific foundations for the claims made. This goal is purely organized for seeking the interest of community like other developed countries and pharmaceutical developers to incorporate the use of herbs for better health outcomes.

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