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Master Thesis Defense

Entitled

*TRANSCRIPTOMIC ANALYSIS ON HEPATOCELLULAR CARCINOMA MODEL IN RESPONSE TO
SAFRANAL TREATMENT*

By

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Date & Venue

02:00 PM

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Room 043, Building F3

Abstract

Unsolved riddle of cancer remains a major global health concern particularly in hepatocellular carcinoma (HCC) which is among the leading causes of cancer-related death worldwide. Saffron (*Crocus sativus* L.) and its bioactive phytochemicals possess promising anti-cancer activities. One of these phytochemicals, safranal, has demonstrated potent anti-cancer activities against different types of cancers. Yet, its association with liver cancer remains under documented. This study investigates HCC response to safranal's treatment via transcriptomic approach.

Keywords: Safranal, Hepatocellular carcinoma, Saffron, Transcriptomic analysis, RNA sequencing.