



QUARTERLY RESEARCH PROGRESS REPORT

QUARTER: 4th

**Research Title: Biological Activity and Chemistry of Essential Oils for
Agriculture, Pharmaceuticals and Industry**

I. Program/Project/Study Objectives:

A. Develop products with enormous agricultural, pharmaceutical, and medicinal importance thereby opening a lot of opportunities for our agricultural students, farmers, food manufacturers and medical industries.

II. Relevance to VSU & College's Thrust and Priorities:

A. This project will definitely respond to the objectives of the VSU Internationalization Programs especially in the aspects of increasing collaboration with foreign HEIs on research; providing access to our students and staffs for training and studies abroad; increasing the number of foreign researchers and visiting scientists in the university, establish joint degree programs with foreign universities.

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

- A1. Turn-over of Bioactive Natural Compounds Laboratory at Advanced Research and Innovation Center, VSU.
- A2. Sample collection of different native trees within VSU vicinity.
- A3. Conduct antimicrobial screening for extracted essential oils.

B. Highlights of accomplishments

- B1. Attended basic seminar workshop entitled "The Use of New Laboratory Equipment for Essential Oils" presented by Dr. Marketa Houdkova and Barbora Fiserova and "Results of Joint Research Conducted by Czech University and the Visayas State University for the period of 2017-2022 in Bioactive Natural Products and Opportunities for Graduate Studies at the Czech Republic" presented by Dr. Ladislav Kokoska
- B2. Collected voucher specimens with the assistance of an ethnobotany expert project collaborator from Czech University of Life Sciences, Prague.
- B3. Identified and collected new ten (10) samples of native tree species within VSU vicinity.
- B4. Conducted hydrodistillation of bark samples.