Research Introduction

A Faculty of Agriculture, Yamagata University

Studies on the physiologically active substances contained in wild organisms

The Shonai district has rich natural environments. I have abundant plants intending for as study materials and, in our laboratory, sell the plants which we collected in "Yamagata field science center Kaminagawa forest" mainly. We extract the plant which we collected with an organic solvent and we isolate it by silica gel column chromatography and decide structure by using NMR and MS. We use the seedling of a susceptible lettuce for a drug, and the bioactive examination assumes the growth adjustment activity means as the primary screening.



Hope For The Future



We start the new project about zooxanthella.

- 1. We will isolate zooxanthella from some jellyfish and soft coral.
- 2. We will cultivate zooxanthella.
- 3. We will isolate secondary metabolites from zooxanthella.
- 4. We will elcidate the structures and biological activities of secondary metabolite from zooxanthella.

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