

## **ALLELOPATHY OF INVADER PLANTS AND ISOLATION OF ALLELOCHEMICALS.**

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*Robinia pseudo-acacia* L. belongs to family *Fabaceae* and is commonly known as black locust. It is widely distributed in temperate and sub-temperate zone. It is a nitrogen fixer and has rapid juvenile growth; it is widely planted as an ornamental, for shelterbelts, and for land reclamation. It was brought to Japan as an ornamental tree 100 years ago but now threatens to be an invader plant. Its widely distributed species have interesting biological properties and medicinal activities. It has been observed that places where these trees dominate others plants are lacking and the vegetation beneath the tree is poor. A bioactivity guided fractionation of the methanolic extract of leaves afforded a potential allelochemicals.