



**Universiteit
Leiden**
The Netherlands

Antimicrobial compounds as side products from the agricultural processing industry

Sumthong, P.

Citation

Sumthong, P. (2007, June 19). *Antimicrobial compounds as side products from the agricultural processing industry*. Division of Pharmacognosy, Section of Metabolomics, Institute of Biology, Faculty of Science, Leiden University. Retrieved from <https://hdl.handle.net/1887/12086>

Version: Corrected Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/12086>

Note: To cite this publication please use the final published version (if applicable).

Antimicrobial compounds as side products from the agricultural processing industry

Antimicrobial compounds as side products from the agricultural processing industry P. Sumthong 2007



Pattarawadee Sumthong

Microorganisms resistant to most antibiotics are rapidly spreading. Consequently there is an urgent need for novel antibiotics. Most antibiotics have been developed from microorganisms. Plants represent an interesting source for finding novel antimicrobial compounds. They are well protected against microorganisms, due to the presence of antimicrobial compounds or the induction of phytoalexin biosynthesis after infection. This thesis focus particularly on some abundantly available plant sources, with the idea that plants already in agricultural processing industry might be the source of antimicrobial active compounds which would add extra value to these crops. The research presented in this thesis focused on antifungal activity of such sources, as plants are known to be quite resistant to most fungi. Therefore, specific focus was given to anti-wood rot activity after a general screening of antimicrobial activity.

ISBN 978-90-9021941-7

INVITATION



You are cordially invited
to attend the ceremony for the
thesis defence in public of

Pattarawadee Sumthong

On Tuesday
19 June 2007 at 13.45
in the Lokhorstkerk
Pieterkerkstraat 1, Leiden

Reception will follow after
the end of the promotion
in the Lokhorstkerk

Pattarawadee Sumthong
Boerhaavelaan 266
2334 EZ Leiden
Tel. 071 5274514
p.sumthong@chem.leidenuniv.nl

Paranimfen:

Roman R. Romero Gonzalez
Tel. 071 5274455
r.romero@chem.leidenuniv.nl

Tanawat Chaowasku
Tel. 071 5273574
chaowasku@nhn.leidenuniv.nl