

## Determination of polyphenols in citrus varieties caused by green mold (*Penicillium digitatum*) employing LC-MS/MS

**Jong Sung Jin**

Korea Basic Science Institute, Korea

Green mold is caused by the fungus *Penicillium digitatum* which is ubiquitous to all citrus growing regions. It is the most common and serious postharvest disease of citrus. The green mold induces the change of the flavonoid component distribution in citrus fruit.

This studies on the role of these compounds in resistance to and on the resistance conferred by flavonoid in Citrus. It was confirmed by LC-MS/MS that as procedure of disease, while the content of hesperidin (HPD) increases, hesperetin (HPT) decreases. According to the literature *Penicillium* produces hesperidinase which hydrolyzes HPT to afford HPD.

### Biography

Jong Sung Jin has completed his Ph.D. at the age of 32 years from Busan National University and postdoctoral studies from University of Cincinnati Department of Chemistry. He has published more than 50 papers in reputed journals and has been serving as an editorial board member of reputed.

jsjin@kbsi.re.kr