

**PS 3 - Isolation of Useful Bioproducts Remaining from the Large scale Fermentation of
*Penicillium chrysogenum***

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We have aimed to develop novel procedures for the extraction of Chitin and Chitosan from the waste products of the large scale fermentation of *Penicillium chrysogenum*.

Traditional chemical extraction procedures have been performed on this biomass and the materials produced have been analysed. These methods have been compared to commercial sources of chitin from crab and shrimp sources. The main method of analysis employed is ¹³C solid state MAS NMR. The extracted materials provide a datum against which samples extracted by alternative enzymatic extraction procedures can be compared.