



## Comparative analysis of mesophilic and thermophilic protease

By Devi, Banita / Karnwal, Arun

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | An In-Silico approach in Protein analysis | Peptidases are commonly designated as protease (EC 3.4), which is an important group of enzymes produced mainly for food, pharmaceutical, detergent, leather and textile industries. In food processing, proteases are used extensively for the modification and improvement of protein functionality, production of protein hydrolyzates, meat tenderization, utilization of different by-products, as well as for catalysis of the plastein reactions. A limited hydrolysis is advantageous to improve protein functional properties, such as solubility, emulsifying capacity and foaming and gel forming ability. On the contrary, deep hydrolysis leads to products containing short peptides and free amino acids. In many cases, selective proteases are necessary, e.g., for the development of desirable flavor, removing bitter peptides or for production of bioactive compounds. Proteolytic enzymes are very important in digestion as they breakdown the peptide bonds in the protein foods to liberate the amino acids needed by the body. Additionally, proteolytic enzymes have been used for a long time in various forms of therapy. Their use in medicine is notable based on several clinical studies. | Format: Paperback | Language/Sprache: english | 72 pp.



**READ ONLINE**  
[ 6.98 MB ]

### Reviews

*This publication might be well worth a read through, and much better than other. It is amongst the most incredible book i actually have read through. I am delighted to tell you that here is the finest book i actually have read through inside my own life and could be he best ebook for possibly.*

-- **Aracely Hickie**

*This book is indeed gripping and interesting. It really is rally exciting throgh studying period. Its been written in an extremely easy way and is particularly merely soon after i finished reading this book through which in fact changed me, affect the way i think.*

-- **Aisha Lemke**