



M.SC
Semester
III Core
Course XI
Bio-Inorganic
Chemistry

TOPIC:- Copper Metabolism

Department of Chemistry
L.S COLLEGE MUZAFFARPUR
B. R. A. BIHAR UNIVERSITY
Dr. Priyanka

Wilson's disease

- **Wilson's disease (hepatolenticular degeneration) is a rare genetic disorder.**
- **Autosomal recessively inherited disorder.**
- **It is caused by mutation in the gene that codes for copper binding P type ATPase in liver leading to defect in the transport of copper & secretion of ceruloplasmin from the liver.**

- **This results in accumulation of copper in the liver and subsequently other tissues of the body.**
- **Disease is a fatal and death occurs at early life.**



