**A COMPREHENSIVE LATEST REVIEW ON GLYCOSIDES**

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**ABSTRACT**

Many plant secondary metabolites in nature occur as glycosides. In plants, glycosides are derived mostly from postmodification of the secondary metabolites catalyzed by plant enzymes, glycosyltransferases. Further modifications of the glycosides, such as oxidation, acylation, and degradation, take place frequently. Numbers of biologically active compounds are glycosides. Sometimes, the glycosidic residue is crucial for their activity, in other cases glycosylation only improves pharmacokinetic parameters. Recent developments in molecular glycobiology brought better understanding to the aglycone vs. glycoside activities, and made possible to develop new, more active or more effective glycodrugs based on these findings - very illustrative recent example is the story of vancomycin. This paper deals with an array of glycosidic compounds currently used in medicine but also with biological activity of some glycosidic metabolites of the known drugs. It involves glycosides of vitamins, polyphenolic glycosides (flavonoids), alkaloid glycosides, glycosides in the group of antibiotics, glycopeptides, cardiac glycosides, steroid and terpenoid glycosides etc.

***Keywords****- Glycosides, glycosidic antibiotics, Glycopeptides.*