

Abstract and keywords

Bachelor thesis depicts factual databses in the field of chemistry. It focuses mainly on databases that cover all fields of chemistry. The thesis presents a general definition of databases and describes their history and typology. Examples of various factual chemical information which can be searched through chemical databases, are described and shown. The factual chemical databases CAS REGISTRY, CAS REACT, PubChem, ChemSpider and Reaxys are described in detail and compared. Additionally, examples of chemical information searches in these databases are shown. Examples of specialized chemical databses that focus on specific kind of chemical information are listed. In conclusion, the importance of factual databases in providing relevant and correct chemical information for their users is evaluated.

Keywords: factual database, chemical information, CAS REGISTRY, CAS Registry Number, CAS REACT, PubChem, ChemSpider, Reaxys