E2020: Soft-Skills 2 : Information Literacy

Ressources, a non-exaustive list of link for database and useful link

**Database of information and articles:**

scifinder.cas.org

reaxys.com/#/search/quick

chemspider.com

isiknowledge.com

pubchem.ncbi.nlm.nih.gov

ncbi.nlm.nih.gov

<http://polysearch.ca/> (biomedical text mining to discover potential associations between various types of biomedical entities)

<https://www.storkapp.me/> (alerts for papers based on keywords)

**Spectra database**

webbook.nist.gov/chemistry

sdbs.db.aist.go.jp/sdbs/cgi-bin/direct\_frame\_top.cgi

echa.europa.eu/home (European Chemical agency)

MassBank (jp, eu, na) – mass spectra

**Database of chemical manufacturers and sellers (just a few examples):**

sigmaaldrich.com

acros.com

tcichemicals.com/en/cz

<https://www.emolecules.com/> (Structure searching)

<https://zinc.docking.org/> (Commercially available compound database)

**Database of biological structures and biomolecules:**

www.uniprot.org

web.expasy.org/protparam

reactome.org

brenda-enzymes.or

proteomicsdb.org

research.bioinformatics.udel.edu/iptmnet

pfam.xfam.org

blast.ncbi.nlm.nih.gov/Blast.cgi

ncbi.nlm.nih.gov/genbank

blast.ncbi.nlm.nih.gov/Blast.cgi?PAGE=Proteins

<https://www.vmh.life/> (Virtual Metabolic Human – model human physiology)

<https://www.wishartlab.com/web_servers> (Various databases mostly for metabolites)

<https://www.ebi.ac.uk/chembl/> (Curated database of biomolecules with drug-like activity)

<https://www.ebi.ac.uk/chebi/> (Curated database of chemicals of biological interest)

<https://biocyc.org/> (organism specific databases)

<https://www.genome.jp/kegg/> (Molecular pathway maps)

<https://www.proteinatlas.org/> (Human protein atlas)

<https://www.ebi.ac.uk/gxa/home> (Transcriptome atlas)

<https://www.lipidmaps.org/> (Lipid database)

<https://www.pherobase.com/database/compound/compounds-index.php> (Semiochemical database)

<https://www.omicsdi.org/> (Multi-omics database compilation)

<https://metabolicatlas.org/> (Model species genome-scale metabolic models)

<http://www-metrabase.ch.cam.ac.uk/metrabaseui/>? (Transporter database)

**Environmental database**

comptox.epa.gov/dashboard

aopwiki.org

<https://go.drugbank.com/> (Drug database)

<http://www.t3db.ca/> (Toxin database)

<https://ec.europa.eu/food/plants/pesticides/eu-pesticides-database_en> (EU pesticide database)

<http://exposome-explorer.iarc.fr/> (Environmental risk factors for disease database)

<https://www.genasis.cz/> (POPs database)

<https://envipath.org/> (Environmental contaminant transformation database)

<https://www.echemportal.org/echemportal/> (EU chemical portal)

<https://pesticidecompendium.bcpc.org/> (Pesticide common name database)

<https://www.bindingdb.org/bind/index.jsp> (Experimental ligand binding database)

<https://cfpub.epa.gov/ecotox/> (Environmental chemical toxicity database)

<https://risctox.istas.net/en/> (Toxic substance database)

**Magazines database**

pubs.acs.org

pubs.rsc.org

onlinelibrary.wiley.com/action/showPublications?PubType=journal

sciencedirect.com

… and many others

**Patent databases**

worldwide.espacenet.com

patft.uspto.gov

jpo.go.jp/e; j-platpat.inpit.go.jp

patentscope.wipo.int/search/en/search.jsf

isdv.upv.cz/webapp/!resdb.pta.frm