

UV/Vis⁺ Spectra Data Base (UV/Vis⁺ Photochemistry Database)

www.photochemistry.org

Progress Report February 2019

Project goal

Our initiative "Share Spectral/Photochemical Data & Information, Find Answers".

This initiative should develop the spectral (photochemical) database towards a spectral (photochemical) data sharing platform. The advantage of such a spectral data sharing platform is that the more scientists provide their data for inclusion into the database the better is the chance for all users to find specific spectral data within the database. In addition the spectral database gets more and more interdisciplinary usable. So every user can benefit from the database especially if their University/Governmental Organization has permanent access to the database.

Project progress

Circular and Linear Dicroism Spectroscopic Data

Besides the absorption and fluorescence spectral data and other photochemical data & information (quantum yields, photolysis studies etc., EUV-VUV-UV-Vis-NIR spectral range) the Scientific Advisory Group (SAG) has decided that circular dicroism (CD) and linear dicroism (LD) spectral data would be an important improvement for the database. The "UV/Vis⁺ Spectra Data Base (UV/Vis⁺ Photochemistry Database)" is now open for circular and linear dicroism spectroscopic data. This is a further step towards the "UV/Vis⁺ Photochemistry Database". The first datasets have been included.

Rework of "older" graphical representations

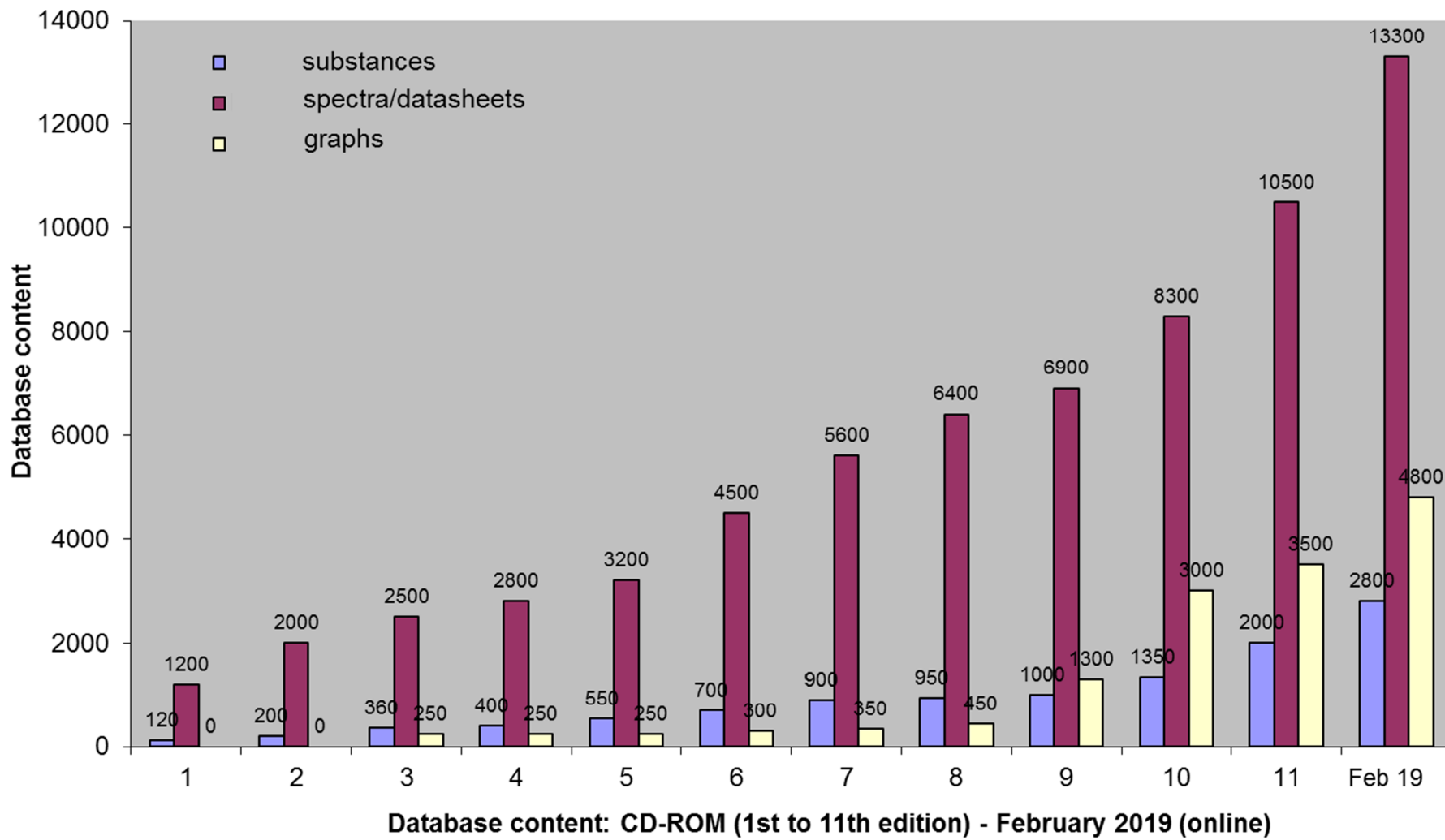
Currently we rework older graphical representations (~ 1500). However, all older graphs are available until we've replaced them by standardized graphs. This work should be completed end of April 2019.

Database content

During the last 2 years we've added about 2800 spectra/datasheets as well as more than 800 graphical representations to the online "UV/Vis⁺ Spectra Data Base (UV/Vis⁺ Photochemistry Database)". The development of the database content is shown in Fig. 1.

Development of the database content (www.uv-spectra.de)

(August 2000 - February 2019)



The support of the scientific community is required

The support of the scientific community is of utmost importance for such a spectral/photochemistry data compilation project. We would be grateful to have your opinion on the database in its present form. Any criticism will be just as welcome as your positive comments and suggestions, since all considerations will be very helpful in improving the database.

To support us in maintaining the database, we would be grateful for your assistance in supplying any missing or new spectral data as well as other related data and information (e.g. quantum yield studies, photolysis studies) for inclusion into the database.

Please provide these information to interested colleagues. If you have any comments, suggestions or questions please do not hesitate to contact us. You will find more information at www.photochemistry.org.

Best regards

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