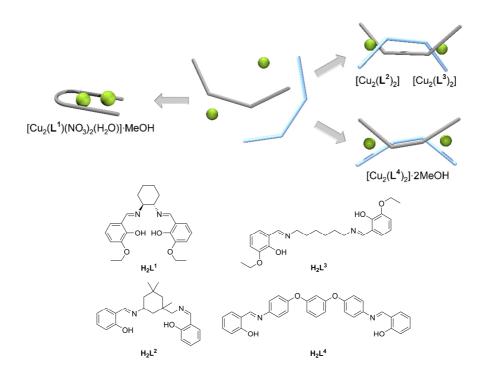
## Supramolecular Assemblies of Cu(II) with Bis(2-hydroxyphenylimine) Ligands. From Monoligand Complexes to Double-stranded Helicates and Metallomacrocycles

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The coordination chemistry of multifunctional Schiff base ligands has been the focus of a considerable number of investigations, because they offer application possibilities in catalysis, optics, magnetic materials, sensing, separation, etc. [1]. One of the main areas of research relates to the self-assembly of corresponding metal complexes; gaining an understanding of the factors that affect such processes remains a challenge. Among the ligand types studied, the bis(2-hydroxyphenylimine) ligands linked by different spacer units has been of considerable interest. We have employed a series of such ligands, like the examples  $H_2L^1-H_2L^4$ , as versatile building blocks for new supramolecular architectures. In case of Cu(II) monoligand complexes, double-stranded helicates and metallomacrocycles have been isolated and characterized [2,3]. The different structures will be compared and discussed in detail.



## References

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