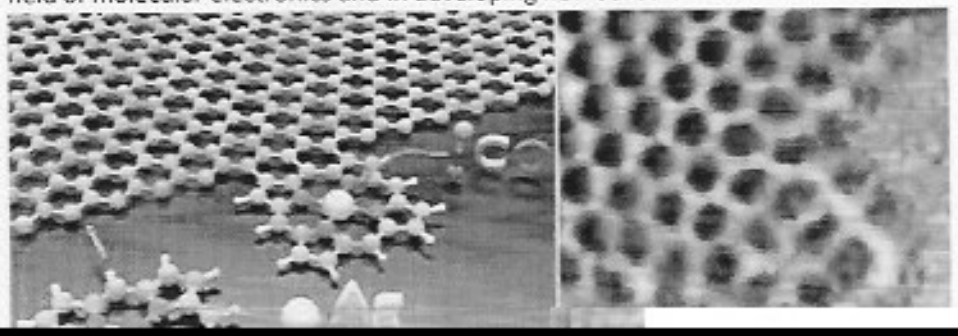
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The bond of two stars of chemistry: graphene and porphyrin

(*Nanowerk News*) Porphyrins, the same molecules that convey oxygen in haemoglobin and absorb light during photosynthesis, can be joined to the material of the future, graphene, to give it new properties. This was recently shown by a team of scientists at the Technical University of Munich, in which a Spanish researcher also participated (*Nature Chemistry*, "Fusing tetrapyrroles to graphene edges by surface-assisted covalent coupling"). The resulting hybrid structures could be used in the field of molecular electronics and in developing new sensors.



be extended to more molecules in the future, which would bond to various carbon nanostructures, like graphene nanoribbons, while also having great potential in the development of electronic applications.

Read more: The bond of two stars of chemistry: graphene and porphyrin