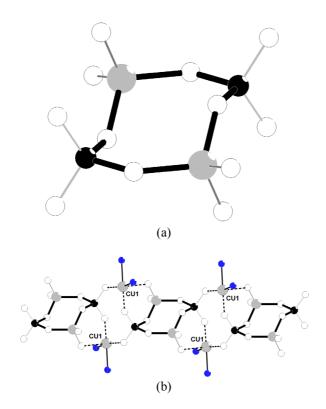
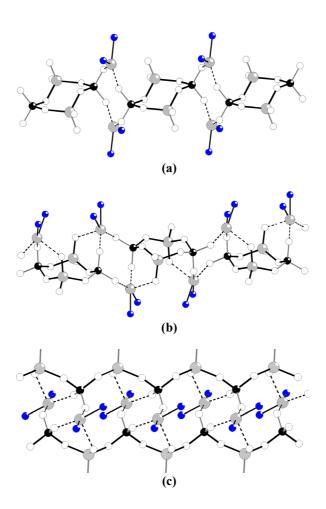
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On the new low-dimensional organic–inorganic hybrid solids  $Cu_4(bipy)_4[V_4P_2O_{19}]\cdot nH_2O\ (n\sim5)\ and\ Cu_2(bipy)_2[V_2P_2O_{12}]\ with\ linear\ [V_4P_2O_{19}]^{8-}$  and cyclic  $[V_2P_2O_{12}]^{4-}$  oligomers.

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**Fig. 2 : (a)** The 8-membered rings  $\{V_2P_2O_{12}\}$  in **2. (b)** Infinite chain of rings linked along the *a* direction by Cu(bipy) complexes. Atoms labelling: white:oxygen, blue: nitrogen, black: phosphorous, gray: vanadium.



 $\begin{array}{llll} \textbf{Fig. 3:} & \textbf{The inorganic} & \textbf{Cu/VPO sub-structure for (a)} \\ & \textbf{Cu}_2(\text{dpa})_2 V_2 P_2 O_{12}, & \textbf{(b)} & \textbf{Cu}_2(\text{phen})_2 V_2 P_2 O_{12} & \text{and (c)} \\ & \textbf{Cu(bipy)VPO}_6. & \textbf{Atoms labelling as in Fig. 2.} \end{array}$