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ORGANIC CONDUCTORS. SUBSTITUTED TETRASELENAFULVALENES
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Abstract. — Some recent chemical and physical results obtained on organic conductors derived from Tetramethyltetraselefulvalene (TMTSF) and Hexamethylenetetraselefulvalene (HMTSF) and various acceptors derived from TCNQ will be presented, and an attempt to correlate molecular structure, crystal structure and physical characteristics will be made.

Additionally, results obtained on allowing HMTSF-TCNQ, the first organic conductor which retains metallic-like properties to very low temperature are presented, as well as conductivity, structural and optical results of a new system HMTSF-TNAP. HMTSF-TNAP like HMTSF-TCNQ is metallic-like at low temperature.