Let $F$ be a fixed graph. An induced $F$-decomposition of a graph $G$ is an edge decomposition into graphs $F_1, \ldots, F_m$ such that each $F_i$ is isomorphic to $F$ and is an induced subgraph of $G$. We survey results and open problems concerning the following Turán-type question raised by Bondy and Szwarcfiter: Given $F$, what is the maximum number of edges in a graph of order $n$ that admits an induced $F$-decomposition?