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Alexander H Sistko* (alexander-sistko@uiowa.edu), 14 MacLean Hall, Iowa City, IA 52242-1419, and **Miodrag C Iovanov**. *Maximal Subalgebras of Finite-Dimensional Algebras and Applications*.

We present a classification for maximal subalgebras of finite-dimensional associative algebras over a field K . If K is nice (ex. algebraically closed), the classification can be understood directly in terms of the bimodule structure of the Jacobson radical. In particular, this gives us nice presentations of subalgebras for bound quiver algebras. We discuss the role of separable functors in our classification, and the problem of determining isomorphism classes of maximal subalgebras. (Received December 28, 2017)