

## ***Abstract: A Survey on Scientific Discourse Representation Models***

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### **Abstract**

This paper presents a succinct review of existing dominant scientific publication representation models and projects. Conceptually, all of them share a similar representation form with the features of coarse-grained rhetorical structure, fine-grained rhetorical structure, relations, domain knowledge and shallow metadata support. Specifically, the ScholOnto project and the SWAN project focus more on modeling the argumentation. However, in this paper, we are more interested in some of the approaches to modeling the rhetorical structure of publications, i.e. Harmsze Model, ABCED, SALT and SKO Patterns.