50 word limit: (Submission portal guidelines)
MRS-Sim is an open-source framework that serves as a powerful tool for modeling the intricacies of MRS data and is capable of incorporating experimentally derived information into the simulations. It was built to model as many components as currently possible and to be easily extended with future work.

80 word limit: (Wiley authors' guidelines website)
In vivo-like synthetic data is necessary for many MRS topics because it replaces expensive data acquisitions and provides datasets with known groundtruth values for tasks like algorithm validation and training AI models. MRS-Sim is an open-source framework that serves as a powerful tool for modeling the intricacies of MRS data and is capable of incorporating experimentally derived information into the simulations. It was built to model as many components as currently possible and to be easily extended with future work.