

How to prepare a manuscript for BioScience

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How to prepare a manuscript for *BioScience*

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- Technical report: Lassister RR, Cooley JL. 1985. Prediction of Ecological Effects of Toxic Chemicals, Overall Strategy and Theoretical Basis for the Ecosystem Model. Washington (DC): Government Printing Office. Report no. 83-261-685.
- Meeting paper: Kleiman RLP, Hedin RS, Edenbom HM. 1991. Biological treatment of minewater—an overview. Paper presented at the Second International Conference on Abatement of Acid Drainage; 16–18 September 1991, Montreal, Canada.
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References cited

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- Soukhanov AH, ed. 1992. *The American Heritage Dictionary of the English Language*. 3rd ed. Boston: Houghton Mifflin.