

How to prepare a manuscript for BioScience

Source: BioScience, 56(1) : 84-87

Published By: American Institute of Biological Sciences

URL: [https://doi.org/10.1641/0006-3568\(2006\)056\[0084:HTPAMF\]2.0.CO;2](https://doi.org/10.1641/0006-3568(2006)056[0084:HTPAMF]2.0.CO;2)

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How to prepare a manuscript for *BioScience*

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- Chapter in a book: Southwood TRE. 1981. Bionomic strategies and population parameters. Pages 30–52 in May RM, ed. *Theoretical Ecology*. Sunderland (MA): Sinauer Associates.
- 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.
- Online article: Palevitz BA. 2002. Designing science by politics. *The Scientist* 16 (11): 25. (1 April 2003; www.the-scientist.com/yr2002/may/palevitz_p25_020527.html)

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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.