



# DNA and Chromatin Damage Caused by Radiation: 17 (Advances in Radiation Biology)

*John T. Lett*

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Advances in Radiation Biology, Volume 17: DNA and Chromatin Damage Caused by Radiation outlines the different biological reactions to radiation.

This book discusses the linear energy transfer and energy loss; DNA breaks and track structure; DNA radicals from water radicals; and radiation-induced strand breaks in isolated DNA. The radiation damage to DNA and its nearby environment; thiol radioprotectors and mechanism of action; radiolysis of water and track reactions; and computer simulation of higher order structure of DNA are also elaborated. This publication likewise covers the concept of chromatin structure; DNA supercoiling studied by sedimentation; measurement of radiation-induced DNA breakage; and analysis of damage in interphase cells.

This volume is a useful reference to biologists and students concerned with DNA and chromatin damage caused by radiation.



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