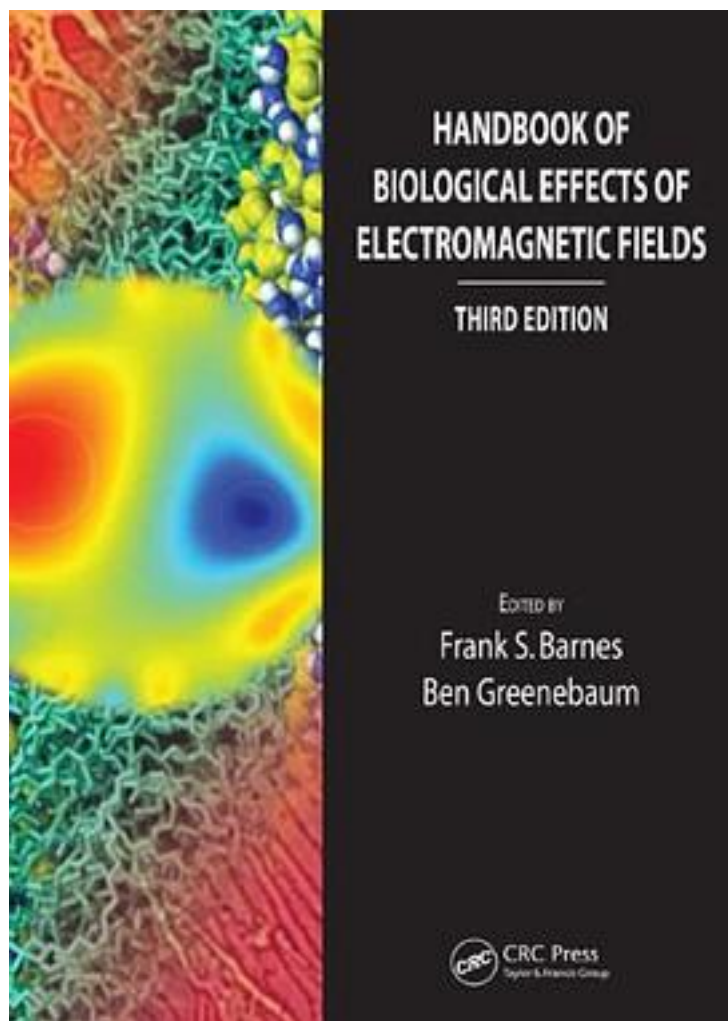


# Handbook of Biological Effects of Electromagnetic Fields



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Entering its third edition, the bestselling Handbook of Biological Effects of Electromagnetic Fields is a definitive reference for researching bioeffects of static, low-, and high-frequency fields. It presents a well-rounded perspective on the biological effects of electromagnetic (EM) fields, authored by active contributors to the field with a wide variety of interests and backgrounds, approaches, and interpretations. The Handbook incorporates up-to-date data, results, and discussions-many based on studies performed since the 1995 publication of the previous edition-into two cohesive volumes. The first focuses on bioengineering and biophysical aspects, including molecular-level mechanisms. It contains new material describing the physics, engineering, and chemistry aspects of electromagnetic fields to explain their interactions with biological systems. The second concentrates on biological and medical aspects, including physiological effects, medical applications, and exposure standards. It examines some of the latest applications EM fields, particularly for medical treatment and diagnostics. Improved cross-referencing across both volumes facilitates the association of interrelated concepts. The Handbook of Biological Effects of Electromagnetic Fields, Third Edition forms a comprehensive, yet accessible source leading to a greater knowledge of electromagnetic hazards, potential applications of EM fields, and a better understanding of biological processes.

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