



NMR and Its Applications to Living Systems (Oxford Science Publications)

By David G. Gadian

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Nuclear magnetic resonance (NMR) is widely used as a non-invasive means of obtaining clinical images and studying tissue metabolism *in vivo*. In this revised and updated edition, the principles of NMR are introduced, with descriptions of the ways in which NMR can be used to study living systems, and the scope and limitations of each technique. Chapters in the book illustrate applications of magnetic resonance spectroscopy (MRS) and imaging (MRI), and provide more theoretical and technical descriptions of NMR. While the focus is on applications in human physiological and biochemical studies, the book also discusses the ways in which basic NMR research studies can complement and aid interpretation of clinical findings. Written at an accessible level for newcomers to NMR, this book is a good introduction for students, biomedical researchers, and radiologists.

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Review

"A useful introduction for biological and biomedical researchers, many of whom have reported finding the first edition both informative and stimulating. The presentation is helped by many colorful illustrations and diagrams."--*Journal of the American Chemical Society*

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About the Author

David G. Gadian is at Institute of Child Health, London.

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