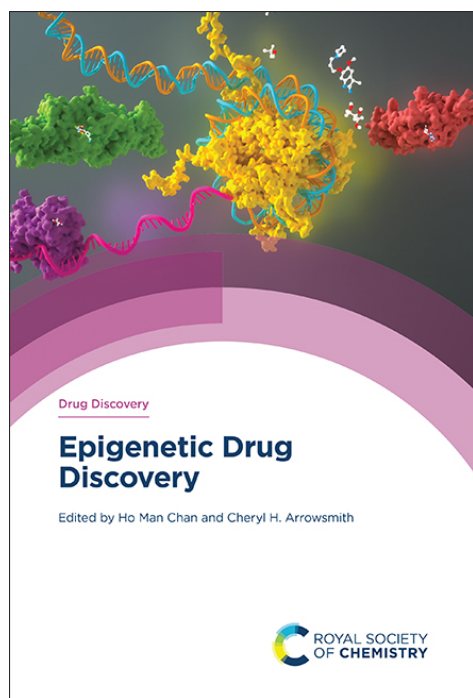


# Advance Book Information



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## Epigenetic Drug Discovery

**Ho Man Chan** AstraZeneca, USA

**Cheryl H Arrowsmith** University of Toronto, Canada

### Synopsis

Epigenetics is one of the fastest moving fields in drug discovery, with almost every large pharmaceutical company, and a substantial number of biotechnology companies, targeting epigenetic processes to treat diseases ranging from cancer to Huntington's disease and from inflammation to sickle cell anaemia. This book aims to provide an overview of the key topics adopted in current epigenetic drug discovery programmes with a focus on major developments and new technologies. Importantly, the book incorporates case studies and outlines the key challenges and techniques employed to overcome them. The book is an ideal resource for researchers in both industry and academia with an interest in epigenetic and genetic factors involved in drug discovery, target ID and validation. The book is also an excellent introduction for postgraduates interested in the interface between epigenetics and pharmaceuticals.

### Brief Contents

- Introduction to Drug Discovery in Epigenetics
- Assay Development and Screening Strategies for Epigenetic Targets
- Mass Spectrometry and Chemical Biology Approaches for Deconvoluting Epigenetic Targets
- Recent Developments in the Structural Mechanism of Protein Methyltransferase Inhibition
- Epigenomic Sequencing Technologies
- Safety Consideration of Targeting Epigenetic Mechanisms
- Toward Understanding Pharmacological Modulation of DNA Methylation and Its Effects on Gene Expression
- Histone Deacetylases
- Chemical Targeting of Histone Acetyltransferases
- Histone Lysine Methyltransferases
- Inhibiting Arginine Methylation
- Histone Demethylases
- Targeting the Human Acetylation Reader Family: Bromodomain Proteins
- Targeting Histone Readers: Non-bromodomain Readers
- Arising Opportunities and Challenges of Targeting Chromatin Remodelers
- RNA Modifying Proteins: Emerging Targets for Drug Discovery
- Directly Targeting RNA with Drug-like Small Molecules
- Discovery and Development of Tazemetostat
- Menin Inhibitors: Discovery, Development and Clinical Translation
- Discovery of MTA-cooperative PRMT5 Inhibitors

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**THEMA:** PSAK, PSB, PSF, PNB, MKG

**BISAC:** MED071000, SCI007000,  
SCI008000

**Series:** Drug Discovery Volume 83

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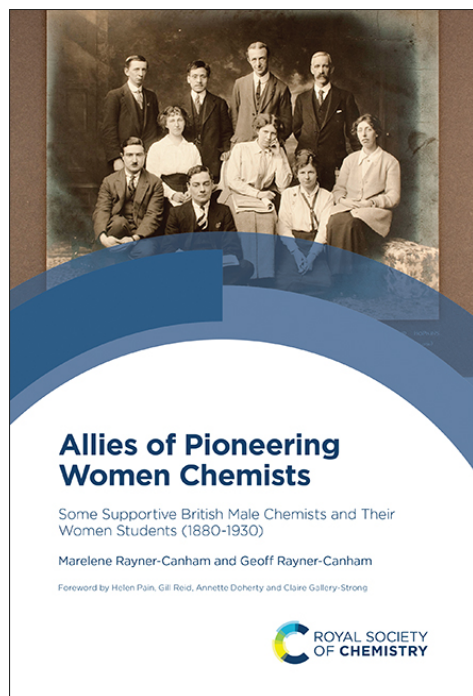
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## Allies of Pioneering Women Chemists

### Some Supportive British Male Chemists and Their Women Students (1880–1930)

**Marelene Rayner-Canham** Grenfell Campus, Memorial University, Canada

**Geoff Rayner-Canham** Grenfell Campus, Memorial University, Canada

#### Synopsis

Continuing their research uncovering the lives of women chemists, the authors investigate some of the male chemists who enabled women to thrive in chemistry. Using contemporary quotes, the authors build an interesting narrative, demonstrating how the support and encouragement of their students was reciprocated with significant contributions to their fame and research. Readers will also explore a period of social change in chemistry, not only the acceptance of co-educational teaching, but also the development of domestic chemistry as a subject.

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**Publisher:** Royal Society of Chemistry

**ISBN:** HB 9781837672066  
PDF 9781837674930  
EPUB 9781837674947

**Price:** £90.00 | \$125.00 | €110.00

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**Date:**

**Target Audience:** General/trade, Professional and scholarly

**Size:** 234 x 156 (Royal 8vo) mm

**Pages:** 146

**BIC:** PDX, PN, HBTB

**THEMA:** PDX, PN, NHTB

**BISAC:** SCI034000, SCI013000

#### Brief Contents

- William Allen and Edward Grubb: Decades Ahead of Their Time
- Augustus Vernon Harcourt: Oxfordian Women's Champion
- William Ramsay: A 'Women Chemists Welcome' Research Lab
- William Tilden: Relentless Advocate of Chem. Soc. Admission
- Henry Armstrong: 'Pro- or Anti-' Women Chemists?
- Percy Frankland: A Dual-career Couple
- William Perkin Jr: Welcoming an Overseas Woman Researcher
- Arthur Smithells: Domestic Chemistry for Women?
- Frederick Gowland Hopkins: Promoter of Women Biochemists
- William H. Bragg: Earliest Haven for Women X-ray Crystallographers
- Kennedy Orton: Welcoming Women Students in North Wales
- Frederick Soddy: Dependent upon his Women Researchers
- Holland Crompton: Women Chemists at Bedford College, London

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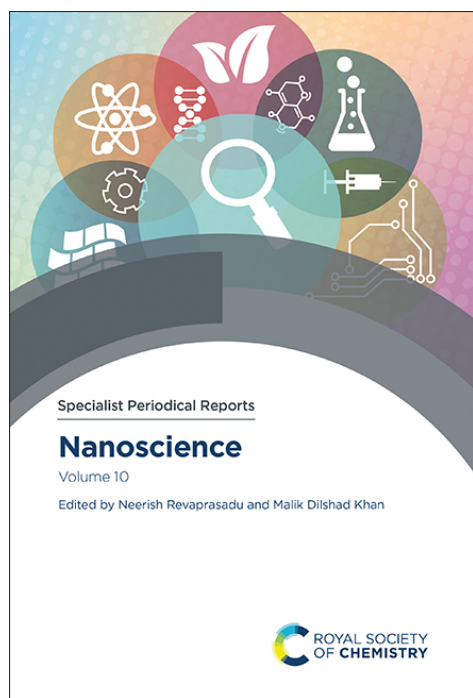
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## Nanoscience

### Volume 10

**Neerish Revaprasadu** University of Zululand, South Africa

**Malik Dilshad Khan** University of Zululand, South Africa

### Synopsis

Publications in nanoscience cross conventional boundaries from chemistry to specialised areas of physics and nanomedicine. With such a vast landscape of material, careful distillation of the most important discoveries helps researchers find the key information. Nanoscience provides a critical and comprehensive assessment of the most recent research and opinion from across the globe. Appealing to anyone practising in nano-allied fields or wishing to enter the nano-world, this useful resource provides a succinct reference on recent developments in this area now and looking to the future.

### Key Features and Highlights

- Critical evaluation of recent research and opinion from across the globe in nanoscience.
- Succinct reference for anyone practising in nano-allied fields.

### Brief Contents

- Role and advancement of 3D printing in energy storage devices
- Theranostic and bioimaging applications of lanthanide-doped upconversion core/shell nanostructures
- Carbon quantum dots: Promising carbon nanomaterials for organic nanozymes, biological imaging and therapeutic applications
- Bifunctional plasmonic materials in total water splitting
- Nanomaterials and their use in bioelectronic medicine
- Porous materials for  $\text{NH}_3$ -SCR of  $\text{NO}_x$  reaction: Synthesis, properties, and applications
- Soft-magnetic microrobotics: Nanomaterials, fabrications and biomedical applications
- Nanomaterial's role against SARS-CoV-2 pandemic and beyond
- Atomic force microscopy based micro and nano sidewall imaging
- Sonochemistry for materials synthesis and catalysis
- Advancing lithium-ion battery technology with heteroatom doped graphene anodes
- Mechanoluminescence: Unveiling the mechanical stress

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**THEMA:** TBN, PDT  
**BISAC:** TEC027000,  
**Series:** Specialist Periodical Reports -  
Nanoscience Volume 10

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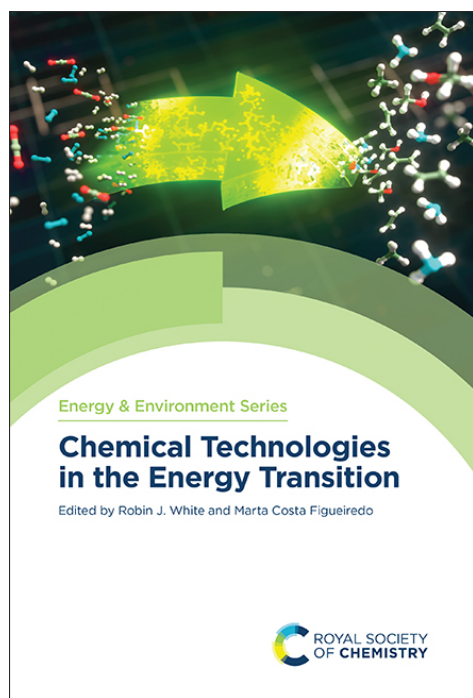
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## Chemical Technologies in the Energy Transition

**Robin J White** Netherlands Organisation for Applied Scientific Research, The Netherlands

**Marta Costa Figueiredo** Technical University of Eindhoven, The Netherlands

### Synopsis

The ongoing energy transition will require a number of emerging technological concepts which combine renewable energy, novel chemical production/conversion processes and innovative, integrated devices/systems to produce sustainable platform molecules, fuels and materials. Selected key technologies to support this integration will be discussed, with particular emphasis on the catalytic systems and devices required to enable the transition including electrochemical cells, CO<sub>2</sub> hydrogenation and plasma-assisted processes. Graduate students and researchers, wishing to have an introduction to the topic, will find this book particularly interesting.

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**Publisher:** Royal Society of Chemistry  
**ISBN:** HB 9781839162145  
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EPUB 9781839165825  
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**Pages:** 255  
**BIC:** THX, PNR, RNU  
**THEMA:** THV, PNR, RNU  
**BISAC:** TEC031010, SCI013050, SCI013080  
**Series:** Energy and Environment  
Series Volume 33

### Brief Contents

- Introduction
- Water Electrolysis Technology and Challenges
- Development of Reactors for Direct Solar Water Splitting
- Plasma Chemistry for Power-to-X
- Electrochemical CO<sub>2</sub> Activation and Reactor Design
- Principles of Electrochemical Valorization of Biomass
- N<sub>2</sub> Electrochemical Activation
- Mechanism and Structure–Activity Relationships of Catalytic CO<sub>2</sub> Methanation
- Learning from the Life Cycle Assessment of Power-to-hydrogen Systems

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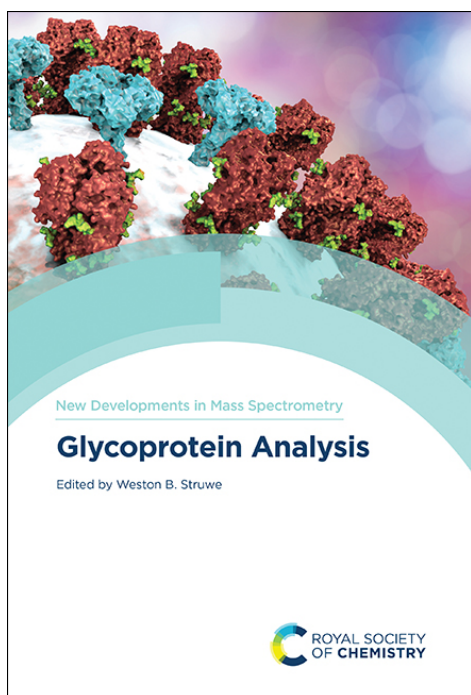
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## Glycoprotein Analysis

Weston B Struwe University of Oxford, UK

### Synopsis

Mass spectrometry is the leading method to characterise glycoproteins and is used in varying ways to uncover glycan structure, protein positional information, glycoprotein assembly and dynamics. This book covers contemporary approaches, from glycan analysis to glycoprotein interaction studies, and provides a comprehensive assessment of glycoprotein analysis from a structural, biophysical or functional perspective. Unlike other books on this topic, it will encompass all cutting-edge methods used for unravelling the structural complexity of glycoproteins and bring together how each approach is unequivocally linked. Relevant to academic and industrial researchers in the life sciences, biotherapeutic development and vaccine development, it will be far-reaching, especially considering the growing interest in glycoprotein analysis, further fuelled by SARS-CoV-2 research.

### Key Features and Highlights

- An authoritative guide to modern, cutting edge methods of glycoprotein analysis and applications in biomolecular research.
- Written for a wide ranging audience by internationally recognised experts in the field of glycobiology.
- Discusses glycoprotein analysis in the context of real-world applications across the life sciences, biotherapeutic development and vaccine development equally.

### Brief Contents

- Overview of Glycosylation Studies of SARS-CoV-2
- Methods and Materials for Studying Proteoglycans and Glycosaminoglycans
- Glycoprotein Characterization by Nuclear Magnetic Resonance Spectroscopy
- Cold-ion Spectroscopy of Carbohydrates
- Cracking the Glycome with the Sweet Tooth of Nature: Overview and Outlook of Lectin Microarray Technology
- O-Glycoproteomics: Methods, Challenges, and New Opportunities
- Use of Ion Mobility for the Structural Identification of Glycans
- Advanced Activation Techniques for the Determination of Glycan Structures Using Tandem Mass Spectrometry
- Native Mass Spectrometry of Glycoproteins
- O-GalNAc Glycomics by LC-MS/MS
- Application of HDX-MS for the Structural Characterization of Glycoproteins
- Reconstructing Glycosylation: How to Rebuild Glycoproteins by Molecular Dynamics-generated 3D Libraries
- High-resolution Imaging of Glycans by Scanning Tunneling Microscopy Enabled by Electrospray Ion Beam Deposition (ESIBD)

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**Target Audience:** Professional and scholarly

**Audience:**

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**Pages:** 367

**BIC:** PSBC, PNFS

**THEMA:** PSB, PNFS

**BISAC:** SCI007000, SCI013010

**Series:** New Developments in Mass Spectrometry Volume 15

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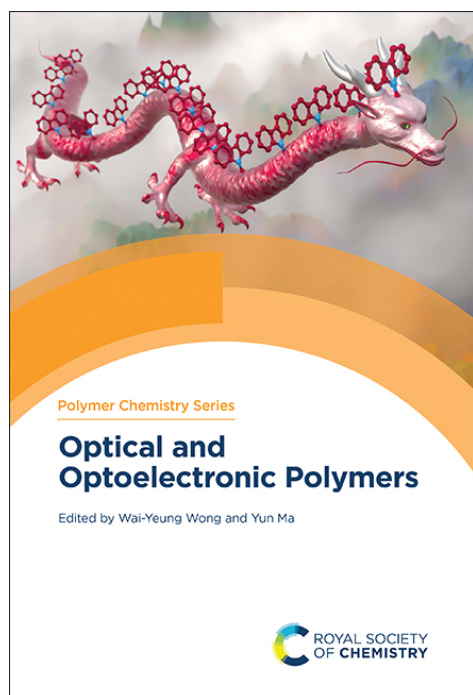
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## Optical and Optoelectronic Polymers

**Wai-Yeung Wong** The Hong Kong Polytechnic University, Hong Kong  
**Yun Ma** Nanjing University of Posts and Telecommunications, China

### Synopsis

Over the past two decades, the field of optoelectronic polymers has developed due to their applications in optoelectronic, photonic and energy research. This is the first book on optoelectronic polymers for researchers entering the field, and it highlights the remarkable basic science and technological potential of these materials. Chapters explore topics such as pure organic phosphorescence and external stimuli-responsive luminescent materials that are not covered in other books.

### Brief Contents

- Optoelectronic Polymers for Organic Light-emitting Diodes (OLEDs)
- Organic Solar Cells
- Macromolecular Transition-metal Acetylides as Highly Efficient Optical Power Limiting Materials with High Transparency
- Optoelectronic Polymers for Phototransistor Memory Devices
- Stimuli-responsive Luminescent Polymers
- Polymer-based Organic Room-temperature Phosphorescent Materials
- Polymeric Materials for Efficient Blue Light-emitting Devices
- Aggregation-induced Emission Active Polymers
- Photo-functional 2D Metal–Organic Frameworks for Photocatalytic Activation of Small Molecules
- Organic Semiconducting Polymers and Their Post-functionalization for Optoelectronics

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**THEMA:** PNNP, PHJ, TJFD, TGM  
**BISAC:** TEC008080, SCI097000,  
TEC021020  
**Series:** Polymer Chemistry Series  
Volume 38

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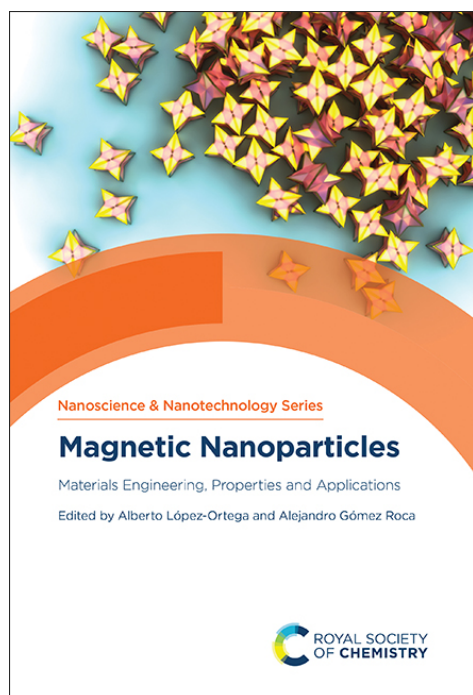
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## Magnetic Nanoparticles

### Materials Engineering, Properties and Applications

**Alberto López-Ortega** Universidad Publica De Navarra, Spain

**Alejandro Gómez Roca** Catalan Institute of Nanoscience and Nanotechnology (ICN2), Spain

#### Synopsis

This book covers the most recent advances in the field of magnetic nanoparticles. The book includes the most cutting-edge developments in the field such as novel synthetic and fabrication technologies, diverse magnetic characterization techniques and highly proved and innovative applications of magnetic nanoparticles. This book will be invaluable to experts in the field, to consolidate their knowledge, as well as providing insight and inspiration to beginners wishing to learn about magnetic nanoparticles.

#### Brief Contents

- Functionality of Surfaced-modified Magnetite Nanoparticles with Controlled Sizes and Shapes
- Synthetic Strategies to Improve the Magnetic Properties of Exchange Coupled Nano-heterostructures
- Magnetically Contrasted Nanoconsolidates: How Spark Plasma Sintering (SPS) May Produce E-biased Solids Starting from Nanoparticles
- Magnetic Micro- and Nano-disks: A Bridge Between Thin Films and Nanoparticles
- Magneto-optics and Magnetoplasmonics in Nanomaterials
- Magnetic Anisotropy and Exchange Bias in Size-distributed Ultrasmall Nanoparticles Systems
- Characterisation of Magnetic Nanoparticles for Magnetic Hyperthermia
- Electron Magnetic Resonance of Magnetic Nanoparticles
- Determining the Magnetic Anisotropy at the Nanoscale by Means of X-Ray Magnetic-sensitive and Element-selective Microscopy Methods
- Ultra-sensitive Detection of Magnetic Nanoparticles by Giant Magnetoimpedance Effect
- Field-particle Interaction: A Key Lever for Modern Applications of Magnetic Nanoparticles
- Hybrid Inorganic Magnetic-based Nanostructures: Towards Multitasking Nanoplatfroms
- Antiviral Activity of Iron Oxide and Iron Oxyhydroxide Nanoparticles with a Focus on Respiratory Influenza and Coronavirus Infections
- Integration of Magnetic Nanoparticles into 2D and 3D Printed Nano/Microstructures
- Applications of Magnetic Nanoparticles in Diamond Quantum Sensing

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**THEMA:** PDT, PNRH, TBN, TGMM

**BISAC:** SCI050000, SCI038000,  
TEC027000

**Series:** Nanoscience &  
Nanotechnology Series  
Volume 63

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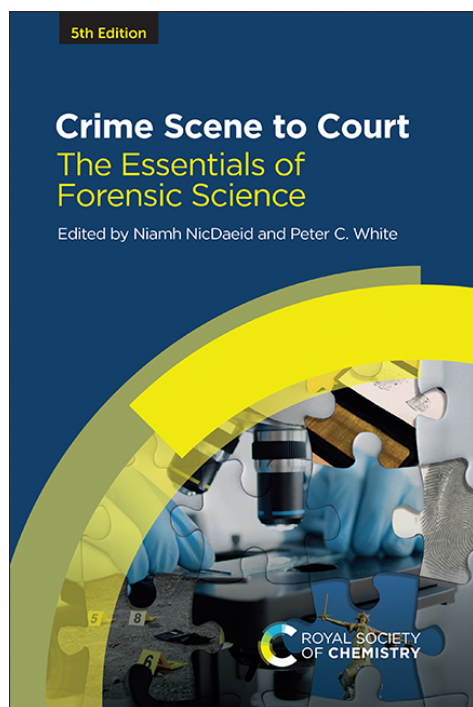
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## Crime Scene to Court

### The Essentials of Forensic Science, 5th Edition

**Niamh NicDaeid** University of Dundee, UK

**Peter C White**

#### Synopsis

Written for those with little or no scientific knowledge, this book covers the three main areas of an investigation where forensic science is practised: at the scene of the crime, in the forensic laboratory and at court. The fifth edition of this popular book has been improved to sequence the chapters as for an investigation where it is of paramount importance that the identity of a suspect has been established before the legal procedure can advance. The book has been fully updated, featuring new chapters on forensic collision investigation and reconstruction and when forensic science meets the lawyers. This is an excellent source of information for anyone studying forensic science or law.

<b>Publisher:</b>	Royal Society of Chemistry
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<b>Price:</b>	£45.99   \$64.00   €57.50
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<b>Target Audience:</b>	College/higher education, Professional and scholarly
<b>Size:</b>	234 x 156 (Royal 8vo) mm
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<b>BIC:</b>	JKVF1, PNF, LNAA
<b>THEMA:</b>	JKVF1, PNF, LNAA, 4CT, 4TC
<b>BISAC:</b>	LAW041000, SCI013010
<b>Prev. Edition ISBN</b>	9781837672257

#### Brief Contents

- Forensic Science
- The Crime Scene
- Forensic Ecology
- Bloodstain Pattern Analysis
- Forensic Collision Investigation
- Forensic Archaeology and Anthropology
- Fire Investigation
- Marks and Impressions
- Trace and Contact Evidence
- Identification of the Individual
- Body Fluids
- Digital Forensics
- Drugs of Abuse
- Forensic Toxicology
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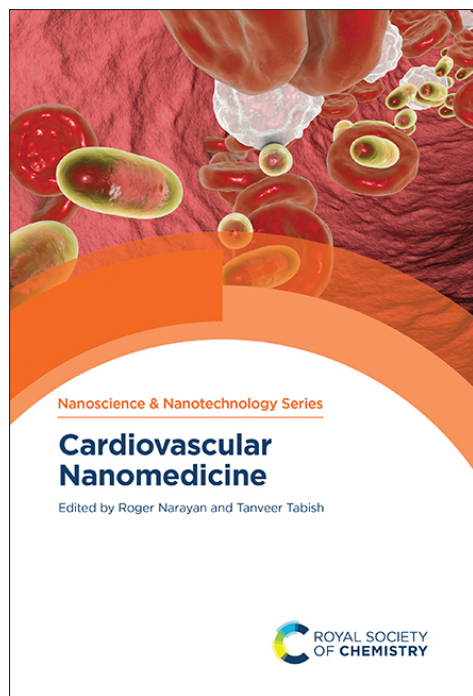
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## Cardiovascular Nanomedicine

**Roger Narayan** University of North Carolina, USA

**Tanveer Tabish** University of Oxford, UK

### Synopsis

The integration of nanoparticles with classical drugs to create biocompatible delivery platforms is a current hot topic to treat cardiovascular diseases, which can make major impacts on patient welfare. This book gives mechanistic, pre-clinical and clinical insights into cardiovascular nanomedicine. Core chemical concepts will be discussed including the synthesis of novel nanotechnology-based drug formulations. It also covers the latest drug delivery advances and innovative therapeutic targets in targeting cardiovascular lesions.

### Brief Contents

- Cardiovascular Nanomedicine: From Targeted Delivery to Theranostics
- Photoluminescent Nanomaterials for Cardiovascular Diagnosis and Therapeutics
- Nanoparticles for the Treatment of Ischemic Heart Diseases
- Cardiovascular Nanomedicine: Mode of Action and Applications
- Novel Nanotherapies for the Treatment of Coronary Atherosclerosis
- Advanced Nanomaterials for Cardiovascular Implants
- Bio Ceramics Based Cardiovascular Implants
- Targeted Gold Nanotherapy for the Attenuation of Chemotherapy-associated Cardiotoxicity
- Extracellular Vesicles for the Treatment of Cardiovascular Diseases

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EPUB 9781837671120

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**Audience:**

**Size:** 234 x 156 (Royal 8vo) mm

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**THEMA:** PDT, MJD, TBN, PNB

**BISAC:** SCI050000, SCI013020,  
TEC027000, MED010000

**Series:** Nanoscience &  
Nanotechnology Series

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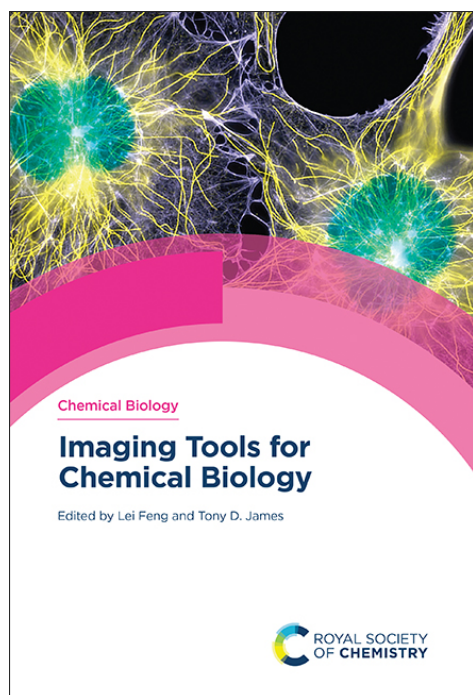
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## Imaging Tools for Chemical Biology

**Lei Feng** Dalian Medical University, China

**Tony D James** University of Bath, UK

### Synopsis

This book provides a comprehensive overview of multimodal and combined techniques used for imaging applications in Chemical Biology, including afterglow luminescence imaging, chemiluminescence imaging, delayed fluorescence imaging, AIE fluorescence imaging, and many more techniques. The advantages and disadvantages of each are also discussed, as well as providing in depth detail on applying these techniques. Additionally, **Imaging Tools for Chemical Biology** also covers the use of chemical probes for tagging biomolecules and therapeutic applications. The current state of the art in biological imaging and future directions for the field are also discussed and evaluated. This book is a valuable resource and ideal for researchers new to the area, as well as experienced chemists interested in developing probes and biologists interested in utilising probes in their research.

### Brief Contents

- Fluorescent Probes for NIR-I Bioimaging
- NIR-II Bioimaging
- Lanthanides for Luminescent and Magnetic Resonance Imaging
- Super-resolution Fluorescence Imaging
- Multiphoton FLIM and PLIM: Emerging Imaging and Sensing Tools for Probing Metal Complexes and Nanohybrid Materials in Complex Cellular Environments
- AIE-based Fluorescence Imaging
- Combined Fluorescence and MRI in Bioimaging
- Chemiluminescence Based Imaging
- Engineering of Prevalent Luciferase–Luciferin Pairs Toward Tunable Light and Applications in the Field of Bioluminescence Imaging
- Photothermal Imaging
- Fluorogenic Probes for Protein Labeling: Illuminating Cellular Functions with Precision
- Biomass Carbon Dots for Bioimaging
- Fluorescence Imaging in Drug Delivery Systems

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**Audience:** Professional and scholarly

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**Pages:** 364

**BIC:** TTBM, PSB, PNN

**THEMA:** TTBM, PSE, PSB

**BISAC:** TEC030000, SCI007000,  
SCI013040

**Series:** Chemical Biology Volume 24

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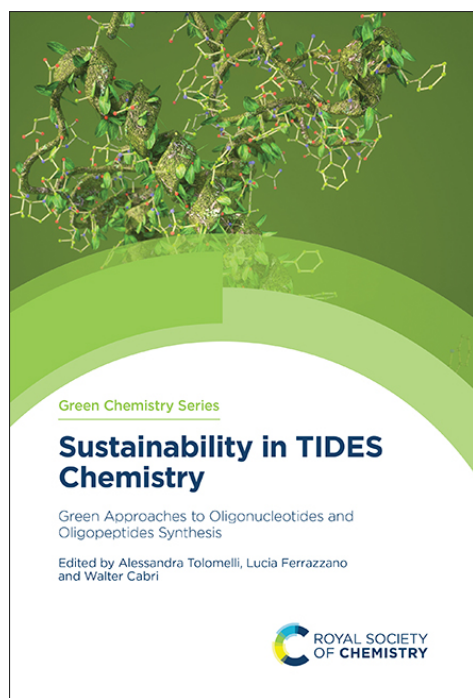
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# Advance Book Information



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## Sustainability in TIDES Chemistry

### Green Approaches to Oligonucleotides and Oligopeptides Synthesis

**Alessandra Tolomelli** University of Bologna, Italy

**Lucia Ferrazzano** University of Bologna, Italy

**Walter Cabri** University of Bologna, Italy

#### Synopsis

Oligopeptides and oligonucleotides, jointly defined as TIDES, have been neglected in the past as potential drugs due to their short half-life and practical difficulties in the manufacturing processes. New interest in these compounds means that large scale manufacturing is now required, and it is important that sustainability and green chemistry are considered from the outset. This book brings together all of the information on green synthesis of oligopeptides, which is well established, and all of the preliminary data on green oligonucleotides synthesis, creating a resource that will help chemists to bridge the gap between these two areas.

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**Audience:**

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**BIC:** RNU, PSB, TDCW

**THEMA:** RNU, PSB, TDCW

**BISAC:** SCI013060, SCI007000,  
TEC072000

**Series:** Green Chemistry Series  
Volume 85

#### Brief Contents

- Introduction
- Green Metrics for a Sustainable Approach in Iterative Processes
- Recent Trends in Peptide Drug Discovery and Development
- Sustainable Approaches in Solid-phase Peptide Synthesis (SPPS)
- Third Wave for Peptide Synthesis: Liquid Phase Peptide Synthesis (LPPS)
- Sustainable Approaches to Chemo-enzymatic Peptide Synthesis
- Recombinant and Semisynthesis of Peptides
- Oligopeptide Regulatory Affairs and Challenges
- Oligonucleotide Synthesis and State-of-the-art Drug Discovery
- Sustainable Approaches in Solid Phase Oligonucleotides Synthesis: Current Status and Future Directions
- Sustainable Approaches in Liquid-phase Oligonucleotide Synthesis (LPOS)
- Stereopure Oligonucleotides
- Impurity Impact on Quality and Safety of Oligonucleotides as Drug Substances
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## Fish Species in Environmental Risk Assessment Strategies

Guillermo Eli Liwszyc University of Helsinki, Finland

Marcelo L Larramendy National University of La Plata, Argentina

### Synopsis

This book focuses specifically on environmental risk assessment in fish. Fish bioaccumulation markers may be applied in order to elucidate the aquatic behaviour of environmental contaminants, as bioconcentrators, to identify certain substances with low water levels and to assess exposure of aquatic organisms. It has the potential to answer some of the questions regarding risks to our aquatic environment. An ideal companion for toxicologists and ecologists investigating risk assessment in the environments of fish whilst also of interest to those working in conservation biology, biological invasion, biocontrol and habitat management.

### Brief Contents

- General Aspects – Current and Further Perspectives
- Biomarkers of Trace Element Toxicity in Fish: A New Paradigm in Environmental Health Risk Assessment
- Edible Fish Species as Bioaccumulators and Bioindicators of Heavy Metal Pollution in the Durban Basin, South Africa
- Fish Microbiota Disruption by Ecotoxicology Agents: A Bioindicator of Health and Pollution
- Fish as a Bioindicator of Microplastic Contamination in the Mediterranean Sea: State of Knowledge
- *Colossoma Macropomum*, the "Tambaqui", (*Characiformes*, *Serrasalminidae*): A Natural Heritage of the Amazon Threatened by Contamination with Organophosphorus Compounds
- Auxinic Herbicides and Ecotoxicological Risk for Fish Species Inhabiting the Pampas Region of South America
- Native Nigerian Fish Species used as Models in Ecotoxicological Studies: A Rapid Systematic Review
- Behavioural Endpoints of Nile Tilapia (*Oreochromis Niloticus*): Potential Biomarkers for Evaluating the Ecotoxicity of Contaminants of Emerging Concern and Legacy Pollutants
- Common Caught Fish Species as Potential Indicators of Pollution Along Lake Nyasa (Lake Malawi), Tanzania
- Epilogue and Final Remarks



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**BISAC:** SCI013090, SCI020000, SCI029000, SCI070010

**Series:** Issues in Toxicology

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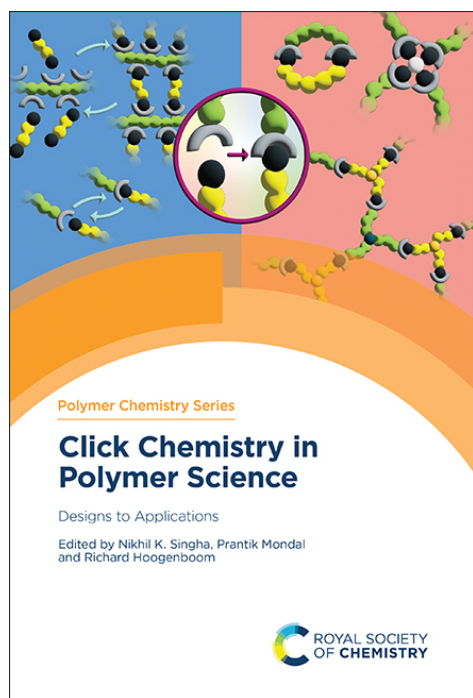
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## Click Chemistry in Polymer Science Designs to Applications

**Nikhil K Singha** Indian Institute of Technology Kharagpur, India

**Prantik Mondal** University of California, USA

**Richard Hoogenboom** Ghent University, Belgium

### Synopsis

Click reactions are a unique class of synthetic tools in organic and polymer chemistry that are used to develop new materials. This book gives a comprehensive overview and introduction on the use of 'click' chemistry in polymer science, including 'click,' 'click-like,' and reversible 'click' (or 'un-click') approaches in the design of macromolecules. Moreover, it outlines recent progress in utilizing different 'click chemistry' in the development of functional polymer materials for various applications, such as self-healing, hydrophobic, shape-memory, and bio-based materials.

### Brief Contents

- Click Chemistry in Polymer Science
- Azide–Alkyne Click Chemistry and Multifunctional Polymers
- Diels–Alder Click Chemistry: A Powerful Tool for the Synthesis of Polymeric Materials
- Thiol–Ene/Yne Click Chemistry in Polymer Science
- Triazolinedione-based Click Reactions in Polymer Science
- Miscellaneous Click and Click-like Reactions in Polymer Science
- Applications of SuFEx Click Chemistry in Polymer Science
- Click Reactions in Dendrimers and Branched Polymers
- Click Chemistry for Block, Graft, and Star Copolymers
- 'Click' Chemistry in Polyurethanes: From Design to Applications
- 'Click' Chemistry in Elastomers
- Click Chemistry in Fluoropolymers: Current Status and Future Applications
- Application of Click Chemistry in Hydrogels
- Click Chemistry in Polymer–Drug Conjugates
- Click Chemistry for Hi-tech Industrial Applications
- Photoclick Chemistry in Polymer Science
- Click Chemistry in Designing Vitrimers: A New Class of Potential Sustainable Materials
- Conclusions and Perspectives

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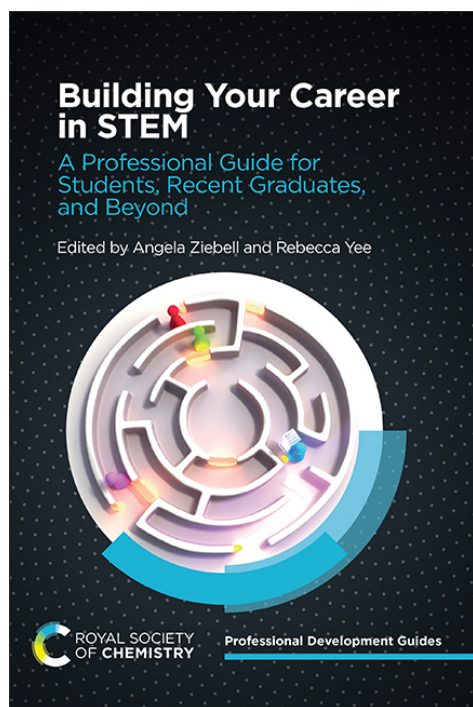
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## Building Your Career in STEM

### A Professional Guide for Students, Recent Graduates, and Beyond

**Angela Ziebell** Deakin University, Australia

**Rebecca Yee** Transition Energy Training Pty Ltd., Australia

#### Synopsis

Are you a science student wondering how to turn your degree into a fulfilling career? Or are you a recent graduate struggling to navigate your options in the post-degree world? Well, this book is your ultimate roadmap to success. With practical tips for developing your skills, building your network, and standing out in a crowded job market, you'll be on your way to a rewarding career in no time. This book aims to support all students and graduates in the STEM subjects seeking employment and navigating their first few years in the workplace. From finding employment and CV and cover letter writing, to networking and improving employability, this book covers the essential skills needed to kickstart your career.

#### Brief Contents

- Transferrable skills
- Turning experiences into career preparation
- Commercial awareness 101
- Communication
- Cultural competency
- Networking
- Finding a job
- CV/cover letters/KSC
- Building your profile
- Higher degree graduates: what more do you need to consider
- What next?

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**Series:** Professional Development  
Volume 1

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