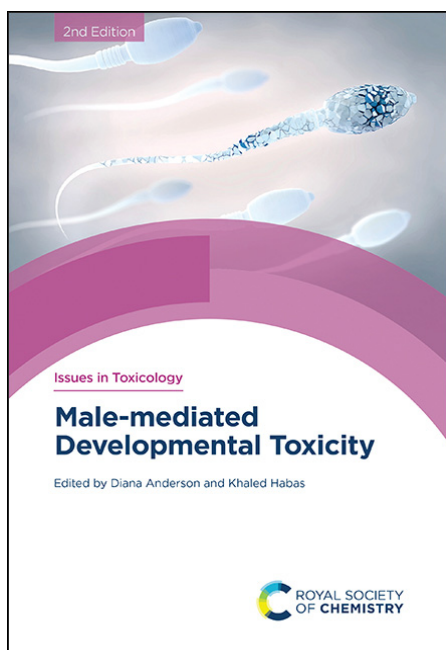


Advance Book Information



All information is subject to change without notice

Series: Issues in Toxicology

ISSN: 1757-7179

Publisher: Royal Society of Chemistry

ISBN: 978-1-83916-719-5

Price: £149.00 | \$205.00

Publishing date: 01/07/2024

Target Audience: College/higher education, Professional and scholarly

Format: Hardback

Edition: 2

Size: 234 x 156 (Royal 8vo) mm

Pages: 278

BIC: MMTG, PN, PSC

THEMA: MKGT, PN, PSC

BISAC: MED096000, SCI013020

Male-mediated Developmental Toxicity

Diana Anderson University of Bradford, UK

Khaled Habas University of Bradford, UK

Synopsis

The issue of male germ line mutagenesis and the effects on developmental defects in the next generation has become increasingly high profile in recent years. This book discusses this issue and provides analysis of the fundamental mechanisms of mutations covering clinical and experimental aspects. Aimed at postgraduate students and researchers in reproductive and developmental toxicology, it will also interest those in the fields of genetically inherited diseases and heredity, developmental biology and potentially those with a more clinical background.

Brief Contents

- Three Generation Study on the Male-mediated Developmental Toxicity in Mice Exposed to Bisphenol A and Bisphenol A-Irradiation Combination
- Male Reproductive and Developmental Toxicity Associated with Exposure to Engineered Nanoparticles
- Male Infertility Mediated by Gene Mutation
- Roles of Epigenetic Modifications in Male Reproductive Toxicity
- Evaluation of Drug Reproductive Toxicity and the Underlying Mechanisms
- An *In Vitro* Male Germ Cell Assay and Its Application for Detecting Phase-specificity of Genotoxins
- Prostate Cancer: A Comprehensive Overview
- Neurovascular Supply of the Prostate and Corpora Cavernosa Effects on Erectile Dysfunction and Urinary Incontinence After Radical Prostatectomy
- Nanoplastics and Microplastics and Their Impact on Male Reproduction – Uncovering the Hidden Hazards Using the *Drosophila* Model
- Paternal Influence on Developmental Toxicity Following Administration of Therapeutic Drugs and Direct Impact on Developmental Toxicity
- The Long Shadow of Sperm DNA Damage: A Hypothesis
- Oestrogen Compounds Induce Oxidative Stress in Male Reproduction

To order

Royal Society of Chemistry

Marston Book Services Ltd
160 Eastern Avenue | Milton Park | Abingdon |
Oxfordshire | OX14 4SB | UK
Tel: +44 (0) 1235 465522
Fax: +44 (0) 1235 465555
Email: enquiries@marston.co.uk
www.marston.co.uk

USA and Canada

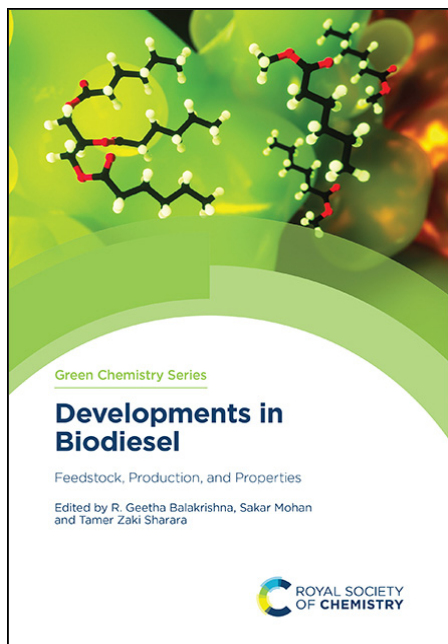
Please contact:
Ingram Publisher Services | Customer Service | Box 631 |
14 Ingram Blvd | La Vergne | TN 37086 | USA
Tel: +1 (866) 400 5351
Fax: +1 (800) 838 1149
Email: ips@ingramcontent.com

www.rsc.org/books

Registered charity number 207890



Advance Book Information



All information is subject to change without notice

Series: Green Chemistry Series
ISSN: 1757-7039
Publisher: Royal Society of Chemistry
ISBN: 978-1-83767-060-4
Price: £169.00 | \$235.00
Publishing date: 28/06/2024
Target Audience: Professional and scholarly
Format: Hardback
Size: 234 x 156 (Royal 8vo) mm
Pages: 358
BIC: RNU, TDC, THF, THX
THEMA: RNU, TDCF, THVB
BISAC: TEC031010

Developments in Biodiesel Feedstock, Production, and Properties

R. Geetha Balakrishna Jain University, India
Sakar Mohan Jain University, India
Tamer Zaki Sharara Egyptian Petroleum Research
Institute (EPRI), Egypt

Synopsis

Transportation remains one of the largest contributors to global carbon dioxide emissions with the majority of vehicles using by fossil-based fuels such as gasoline and diesel. Alternatives that come from a renewable feedstock and create fewer carbon emissions are urgently needed. Biodiesel, an alternative to fossil-based diesel fuel, can be produced from renewable or waste feedstocks such as biomass, animal fats and industrial wastes. Focusing on recent advances in the areas of feedstocks for biodiesel, production processes, and testing and enhancement of properties this book provides a balance between academic and industrial viewpoints across a range of topics. It is an ideal reference for both academics and industrialists interested in sustainable energy, sustainable fuels and biomass/waste valorisation.

Brief Contents

- Revisiting the Field of Biodiesel: An Overview
- Overview of Feedstock for Biodiesel Production
- Edible Oil-based Feedstock
- Non-edible Vegetable Oil: A Viable Alternative for Biodiesel Production
- Industry-waste Based Feedstock
- Algae-based and Other Emerging Neat/Modified Feedstock
- Overview of Biodiesel Production Processes
- Developments in Homogeneous Catalytic Process
- Development of Heterogeneous/Nano-catalysts in Biodiesel Production
- Developments in Bio-catalytic Processes for Biodiesel Production
- Non-catalytic Processes for Biodiesel Production
- Overview and Testings of Fuel Properties of Biodiesel
- Blending Strategies and Properties of Biodiesel
- Organic/Natural Additives for Biodiesel
- Inorganic and Nano-additives for Biodiesel
- Computational Approaches to Biodiesel Production Process and Optimization: An Example of Neem Oil Methyl Esters

To order

Royal Society of Chemistry

Marston Book Services Ltd
160 Eastern Avenue | Milton Park | Abingdon |
Oxfordshire | OX14 4SB | UK
Tel: +44 (0) 1235 465522
Fax: +44 (0) 1235 465555
Email: enquiries@marston.co.uk
www.marston.co.uk

USA and Canada

Please contact:
Ingram Publisher Services | Customer Service | Box 631 |
14 Ingram Blvd | La Vergne | TN 37086 | USA
Tel: +1 (866) 400 5351
Fax: +1 (800) 838 1149
Email: ips@ingramcontent.com

www.rsc.org/books

Registered charity number 207890

