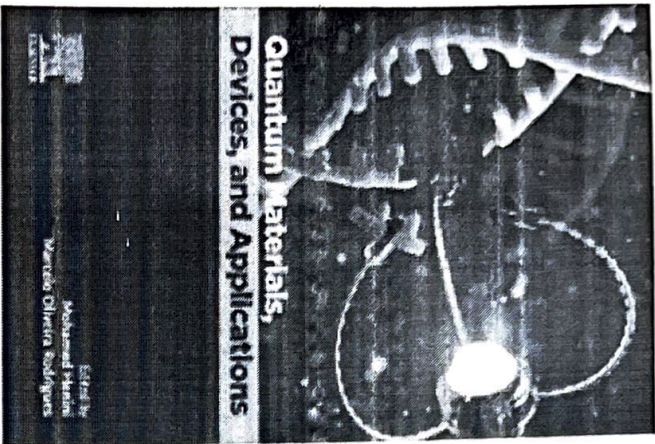


Book sale: save up to 30% on individual print and eBooks with free delivery. Use promo code SCIENCE30 More details



# Quantum Materials, Devices, and Applications

1st Edition - September 1, 2022

☆☆☆☆☆ Write a review

Editors: Mohamed Henini, Marcelo Rodrigues

Paperback ISBN: 9780128205662

## Purchase options

Select country/region

United States of America

Print - Paperback \$250.00

Available for Pre-Order

**Pre-Order**

Sales tax will be calculated at check-out

Institutional Subscription

Request a Sales Quote

## Description

Quantum Materials, Devices, and Applications covers the advances made in quantum technologies, both in research and mass production for applications in electronics, photonics, sensing, biomedical, environmental

Tax Exempt Orders  
Support Center  
Returns & Refunds

*Samir Ahmad*  
**Registrar**  
IFTM University  
Moradabad.

# Table of Contents

1. Quantum Materials, Diagnostic Devices and Emerging Techniques  
*Maria Gazouli and Christos Veros*
2. 2D Quantum Materials and Sensor Devices  
*Beatriz Jurado-Sánchez and Alberto Escarpa*
3. Superconducting quantum magnetic sensing  
*Carmine Granata*
4. Quantum Materials and Devices in Environmental Solutions  
*Alex Fabiano Cortez Campos and Mohamed Henini*
5. Quantum Materials for Emerging Agrochemicals  
*Adalberto Benavides-Mendoza, Antonio Juárez-Maldonado and Gonzalo Tortella Fuentes*
6. Quantum dot materials, devices and their photomedical applications  
*Yajie Dong and Shin-Tson Wu*
7. Carbon Dots (C-dots) as Bioimaging Probes  
*Brenno A. D. Neto and John Spencer*
8. Quantum Tunneling NEMS Devices for Bio-Medical Applications  
*Marek Tadeusz Michalewicz*
9. Advanced Nano-Biomedical Sensors and Nano-Electronic Devices for Health Care Applications  
*VR Sing*
10. Quantum Dots: An Emerging Implication of Nanotechnology in Cancer Diagnosis and Therapy  
*Alka Lohani, Sumit Durgopal and Pierfrancesco Morganti*
11. Nanotechnology and treatment of COVID-19  
*Raymond Jagessar*
12. Nanotechnology for cosmetics applications – an innovation Journey