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Autore	Abubakar Muhammad
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Nota di contenuto	Cover -- Title -- Copyright -- End User License Agreement -- Contents -- List of Contributors -- Recent Advances in Copper-catalyzed Heterocyclic Syntheses -- Jitender Bhalla1,* -- INTRODUCTION -- CLASSIFICATION -- Organic Compounds -- Heterocyclic Compounds -- GENERAL SYNTHESIS OF HETEROCYCLIC COMPOUNDS -- CHEMISTRY & APPLICATIONS OF COPPER -- RECENT TRENDS IN COPPER-CATALYZED HETEROCYCLIC SYNTHESSES -- Four Membered Heterocyclic Syntheses -- Five-Membered Heterocyclic Syntheses -- Six Membered and Higher Heterocyclic Synthesis -- Condensed/Fused Heterocyclic Syntheses -- CONCLUSION CONSENT FOR PUBLICATION -- CONFLICT OF INTEREST -- ACKNOWLEDGEMENTS -- REFERENCES -- Application of Modern Green Chemistry Methods in the Synthesis of Quinolines, Quinazolines and Quinazolinones -- Mario Komar1 and Maja Molnar1,* -- INTRODUCTION -- QUINOLINES -- Microwave-assisted Synthesis -- Ultrasound-assisted Synthesis -- Mechanochemical and Solvent-free Synthesis -- Synthesis in Deep Eutectic Solvents (DESS) -- Synthesis in Ionic Liquids (ILs) -- QUINAZOLINE -- QUINAZOLINONE -- Microwave-Assisted Synthesis -- Ultrasound-assisted Synthesis -- Mechanochemical and Solvent-free Synthesis Synthesis in Ionic Liquids (ILs) -- Synthesis in Deep Eutectic Solvents (DESS) -- CONCLUSIONS AND PERSPECTIVES -- CONSENT FOR PUBLICATION -- CONFLICT OF INTEREST -- ACKNOWLEDGEMENTS --

REFERENCES -- Electroluminescence Polymers-a Review on Synthesis by Organic Compounds -- Batool Saleh Haddad1,\* and Widad Saleh Hanoosh1 -- INTRODUCTION -- Device Structure -- The Physics Involving Oleds -- Organic Semiconductors -- SSH Model of an Electronic Structure -- Mechanisms Used for Light Emission -- Methods for Synthesising the Polymeric LEDs Using Organic Compounds Thermo Conversion (Wessling-Zimmerman Route) -- Chlorine Precursor Route (CPR) -- Gilch Polycondensation -- Non-ionic Route -- Knoevenagel Polycondensation -- Heck-Coupling Polymerisation -- Wittig-Horner Condensation -- Chemical Vapour Deposition (CVD) -- Ring-Opening Metathesis Polymerisation (ROMP) -- Miscellaneous -- Conjugation Confinement -- Conjugated-Non-Conjugated Block Copolymers (CNCP)s -- Conjugated Polymers with Isolated Chromophores -- Main Chain Polymers with a Defined Segmentation -- Conjugated Main-chain Polymers with a Twisted Conformation Conjugated Main Chain Polymers with the Non-conjugated Interruption -- Soluble Conjugated Polymers Formed by Copolymerisation -- Block and Graft Copolymers -- Hyperbranched Conjugated Polymers -- High-Efficiency Polymeric LEDs -- Full-Colour and Colour Tuning PLED Displays -- Degradation Phenomena in the PLEDs -- Development of Polymeric Luminescent Materials -- Polyfluorene-Based Luminescent Polymers -- Polyfluorene Homopolymers -- Polyfluorene Alternating Copolymers -- Poly (p-phenylene Vinylene) and Derivatives -- Poly (p-phenylene Vinylene) from Soluble Precursors -- CONSENT FOR PUBLICATION.

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Sommario/riassunto

Advances in biochemistry, molecular biology, virology, and structural biology have enabled the researchers in veterinary medicine to make many exciting discoveries that have, in some cases, conceptually revolutionized our understanding of the discipline. Emerging Trends in Veterinary Virology is a review of selected topics about viral infections in animals. 11 chapters cover recent findings about specific viruses that infect a variety of hosts. The contents cover several types of veterinary infections in birds (Infectious laryngotracheitis (ILT), avian leucosis), cats (feline rabies), dogs (canine distemper), bovines (viral leukemia) and equines (hendra virus disease). Additionally, special topics such as the epidemiology of veterinary zoonoses and SARS are also covered. The book provides updated information for researchers (virologists, microbiologists), students and veterinarians, alike.

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