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Titolo	Synthesis of fused heterocycles . Part 1 [[electronic resource] /] / G.P. Ellis
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Collana	The chemistry of heterocyclic compounds ; ; 47/1
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Soggetti	Heterocyclic chemistry Organic compounds - Synthesis Heterocyclic compounds Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	SYNTHESIS OF FUSED HETEROCYCLES; Contents; Preface; 1. Introduction; 2. Acetal or Aldehyde and Amine; 3. Acetal and Ring-carbon or Ring-nitrogen; 4. Acylamine and Aldehyde or Ketone; 5. Acylamine and Amine; 6. Acylamine or Carbamate and Carboxamide or Nitrile; 7. Acylamine and Carboxylic Acid or Ester; 8. Acylamine or Amine and Ether or Thioether; 9. Acylamine, Acylhydrazine or Amine and Halogen; 10. Acylamine or Amine and Hydroxy or Thiol; 11. Acylamine, Amine or Diazonium Salt and Lactam Carbonyl; 12. Acylamine or Amine and Methylene; 13. Acylamine or Amine and Nitrile 14. Acylamine, Acylhydrazine, Amine or Carbamate and Nitro15. Acylamine or Amine and Nitroso or N-oxide; 16. Acylamine, Acyloxy, Amine or Hydroxy and Phosphorane; 17. Acylamine or Acylhydrazine and Ring-carbon or Ring-sulphur; 18. Acylamine or Acylhydrazine and Ring-nitrogen; 19. Acylamine or Amine and Sulphonamide, Thioureide or Ureide; 20. Acylamine or Amine and Thiocyanate; 21. Acyl halide and

Ring-carbon or Ring-nitrogen; 22. Aldehyde or Ketone and Alkene or Alkyne; 23. Aldehyde or Ketone and Azide; 24. Aldehyde or Ketone and Carbamate; 25. Aldehyde or Ketone and Carboxamide or Hydrazide
26. Aldehyde or Ketone and Carboxylic Acid or Ester
27. Aldehyde or Ketone and Ether or Thioether; 28. Aldehyde or Ketone and Halogen; 29. Aldehyde and Hydroxy, Thiol or Thiocyanate; 30. Aldehyde and Ketone; Dialdehyde or Diketone; 31. Aldehyde or Ketone and Methylene; 32. Aldehyde or Ketone and Nitrile; 33. Aldehyde or Ketone and Nitro, Nitroso or N-Oxide; 34. Aldehyde or other Carbonyl and Phosphorane; 35. Aldehyde or Ketone and Ring-carbon; 36. Aldehyde or Ketone and Ring-nitrogen; 37. Alkene or Alkyne and Amine or Nitro; 38. Alkene or Alkyne and Carboxylic Acid or its Derivative
39. Alkene or Alkyne and Halogen
40. Alkene or Alkyne and Hydroxy, Thiol or Ether; 41. Alkene, Methylene, Ring-carbon, or Ring-nitrogen and Lactam Carbonyl; 42. Alkene or Alkyne and Methylene, Ring-carbon or Ring-nitrogen; 43. Amidine and Amine, Carboxylic Acid, Ester, Hydroxy, Methylene or Nitro; 44. Amidine and Ring-carbon or Ring-nitrogen; 45. Amine and Azo or Diazo; 46. Amine and Carboxamide or Thiocarboxamide; 47. Amine and Carboxylic Acid; 48. Amine and Carboxylic Ester; 49. Amine and Enamine; 50. Amine and Hydrazide or Hydrazine; 51. Amine and Hydrazone or Imine; 52. Amine and Ketone
53. Amine and Ring-carbon or Ring-sulphur
54. Amine and Ring-nitrogen; 55. Azide and Azo or Nitro; 56. Azide and a Carboxylic Acid or its Derivative; 57. Azide and Methyl, Methylene or Methine; 58. Azide and Ring-carbon; 59. Azide and Ring-nitrogen; 60. Azo or Triazene and Carbamate, Carboxylic Acid, Ester or Nitrile; 61. Carbamate or Ureide and Ring-carbon or Ring-nitrogen; 62. Carboxamide and another Carboxylic Acid Derivative; 63. Carboxamide or Sulphonamide and Diazonium Salt or Diazo; 64. Carboxamide, Hydroxamic Acid, Hydrazide, Nitrile or Ureide and Hydroxy or Ether
65. Carboxamide or Nitrile and Ring-carbon or Ring-nitrogen

Sommario/riassunto

This book classifies methods of synthesizing a heterocyclic ring which is fused to another ring. Classification is based on the functional group or groups present in the substrate, each chapter being devoted to the reactions of a particular pair of groups. The groups are arranged alphabetically so that they can be found easily. The book enables the reader to locate references (over 2000 are included) to the conversion of a wide variety of functional groups into heterocyclic rings of five to eight atoms. Each cyclization is shown as an equation which contains concise details or reagents, condit

2. Record Nr.	UNINA9911053219303321
Titolo	Maintenance of Forest Biodiversity
Pubbl/distr/stampa	MDPI - Multidisciplinary Digital Publishing Institute, 2023
Descrizione fisica	1 online resource (258 p.)
Soggetti	Biology, life sciences Ecological science, the Biosphere Research & information: general
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	<p>Among terrestrial ecosystems, forests play a dominant role in maintaining biodiversity and providing ecosystem functioning, such as nutrient cycling, carbon sequestration, and ecosystem stability. Over the past several decades, however, global forests are facing unprecedented pressure from climate change and anthropogenic disturbances, resulting in a high rate of biodiversity loss due to deforestation, fragmentation, and degradation. Determining how to maintain biodiversity is extremely urgent if we want to achieve the aims of the Convention on Biological Diversity (CBD) and the Sustainable Development Goals (SDGs). The complex structure, species interaction, heterogenic environment, and regional species pool all affect the spatial and temporal patterns of forest species, but it is still unclear how these effects maintain long-term forest biodiversity as forests undergo rapid variations in habitat features under global change. This reprint includes sixteen published articles related to the dynamics of forest spatial structure, community assembly, forest recovery patterns after disturbance, spatial distribution of species diversity, effects of abiotic and biotic variables on understory species diversity, and above- and below-ground biotic interactions. These studies cover different forest types across varied spatial and temporal scales, as well as different biological groups (plants, birds and microbes). We</p>

acknowledge all authors who contributed to this reprint "Maintenance of Forest Biodiversity" of Forests. We hope this reprint can improve our understanding of the underlying mechanisms of forest biodiversity maintenance.
