

1. Record Nr.	UNISALENTO991001007139707536
Autore	Walsh, Joseph L.
Titolo	Interpolation and approximation by rational functions in the complex domain / J. L. Walsh
Pubbl/distr/stampa	Providence, R.I. : American Mathematical Society, 1969
Edizione	[5ht ed]
Descrizione fisica	x, 405 p. : ill. ; 26 cm
Collana	Colloquium publications, 0065-9258 ; 20
Classificazione	AMS 41A20 LC QA281
Disciplina	515.5 510.30
Soggetti	Approximation by rational functions Functions (Mathematics)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	1st ed.: 1935

2. Record Nr.	UNINA9910367257403321
Titolo	Recent Developments on Genus Chaetomium // edited by Ahmed M. Abdel-Azeem
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-31612-2
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (xvi, 452 pages) : illustrations
Collana	Fungal Biology, , 2198-7785
Disciplina	589.2 579.567
Soggetti	Fungi Mycology Microbiology Plant genetics Plant biotechnology Plants - Evolution Plants - Development Plant Genetics Plant Biotechnology Plant Evolution Plant Development
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Foreword -- Part 1. Chaetomium: Biology to biotechnology -- Chapter 1. Taxonomy and Biodiversity of the Genus Chaetomium in Different Habitats -- Chapter 2. Developmental Morphology of Chaetomium and Chaetomiopsis -- Chapter 3. Molecular approaches for analyzing environmental Chaetomium diversity and exploitation of Chaetomium thermophilum for biochemical analyses -- Chapter 4. Recent advances on occurrence of genus Chaetomium on dung -- Chapter 5. Chaetomium in indoor environment and medically important species of Chaetomium -- Part 2. Metabolites of Chaetomium, the good, the bad and the ugly -- Chapter 6. Recent advancements on the role of

biologically active secondary metabolites from Chaetomium -- Chapter 7. Chaetomium's alkaloids -- Chapter 8. Applications of Chaetomium functional metabolites with special reference to antioxidants -- Chapter 9. Chaetomium enzymes and their applications -- Chapter 10. The use of Chaetomium taxa as biocontrol agents -- Chapter 11. Nanoparticles mediated Chaetomium, unique multifunctional Bullets: What Do We Need for Real Applications in Agriculture? -- Chapter 12. Biodegradation of agricultural wastes by Chaetomium species -- Chapter 13. Bioconversion of lignocellulosic residues into Single-Cell Protein (SCP) by Chaetomium -- Chapter 14. LIGHT, Electromagnetic Spectrum and Photostimulation of Microorganisms with special reference to Chaetomium -- Chapter 15. Chaetomium as potential soft rot degrader of woody and papery cultural heritage -- Chapter 16. Thermophilic Chaetomium in biotechnology -- Index.

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## Sommario/riassunto

Chaetomium genus was established by Gustav Kunze in 1817. According to Index Fungorum Partnership, there are 273 Chaetomium species accepted till now. Members of the genus Chaetomium are capable of colonizing various substrates and are well-known for their ability to degrade cellulose and to produce a variety of bioactive metabolites. More than 200 compounds have been reported from this genus. A huge number of new and bioactive secondary metabolites associated with unique and diverse structural types, such as chaetoglobosins, epipolythiodioxopiperazines, azaphilones, depsidones, xanthenes, anthraquinones, chromones, and steroids, have been isolated and identified. Many of the compounds have been reported to possess significant biological activities, such as antitumor, antimalarial, cytotoxic, enzyme inhibitory, antimicrobial, phytotoxic, antirheumatoid and other activities. Chaetomium taxa are frequently reported to be cellulase and ligninase producers with the ability to degrade cellulosic and woody materials. This is the first, comprehensive volume covering Chaetomium genus in detail. It includes the latest research, methods, and applications, and was written by scholars working directly in the field. The book also contains informative illustrations and is fully referenced for further reading.

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