1.	Record Nr.	UNINA9910523889203321
	Titolo	Algorithms and Discrete Applied Mathematics : 8th International Conference, CALDAM 2022, Puducherry, India, February 10–12, 2022, Proceedings / / edited by Niranjan Balachandran, R. Inkulu
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
	ISBN	3-030-95018-2
	Edizione	[1st ed. 2022.]
	Descrizione fisica	1 online resource (326 pages)
	Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 13179
	Disciplina	004.0151
	Soggetti	Computer science - Mathematics
		Algorithms
		Data structures (Computer science)
		Information theory
		Discrete mathematics
		Mathematics of Computing
		Data Structures and Information Theory
		Discrete Mathematics in Computer Science
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	A proof of the Multiplicative 1-2-3 Conjecture -- The geodesic transversal problem on some networks -- Chromatic Bounds for Some Subclasses of $(P_3\cup P_2)$-free Graphs -- List homomorphisms to separable signed graphs -- Some position problems for graphs -- Comparability graphs among Cover-Incomparability graphs -- Complexity of Paired Domination in AT-free and Planar Graphs -- The Complexity of Star Colouring in Bounded Degree Graphs and Regular Graphs -- On Conflict-Free Spanning Tree: Algorithms and Complexity -- B0-VPG Representation of AT-free Outerplanar Graphs -- P versus NPC : Steiner tree in convex split graphs -- On cd-coloring of {P_5,K_4}-free chordal graphs -- An output-sensitive algorithm for all-pairs shortest paths in directed acyclic graphs -- Covering a Graph with Densest Subgraphs -- Coresets for (k, ℓ)-Median Clustering under

the Fréchet Distance -- Bounds and Algorithms for Geodetic Hulls -- Voronoi Games using Geodesics -- Approximation and parameterized algorithms for balanced connected partition problems -- Algorithms for Online Car-sharing Problem -- Algebraic algorithms for variants of Subset Sum -- Hardness and Approximation Results for Some Variants of Stable Marriage Problem -- On Fair Division with Binary Valuations Respecting Social Networks -- Parameterized Intractability of Defensive Alliance Problem -- On the approximability of path and cycle problems in arc-dependent networks} -- Approximation Algorithms in Graphs with Known Broadcast time of the Base Graph.

Sommario/riassunto	This book constitutes the proceedings of the 8th International Conference on Algorithms and Discrete Applied Mathematics, CALDAM 2022, which was held in Puducherry, India, during February 10-12, 2022. The 24 papers presented in this volume were carefully reviewed and selected from 80 submissions. The papers were organized in topical sections named: graph theory, graph algorithms, computational geometry, algorithms and optimization.