Preface

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The present issue of the Bollettino della Unione Matematica Italiana is devoted to collect papers dedicated to our friend and colleague Fabrizio Catanese on the occasion of his seventieth birthday. Fabrizio Catanese is a prominent mathematician, to whom we owe several important contributions to algebraic geometry and complex analysis, fields in which he has been leaving in the course of the years wide, unforgettable footprints. His tireless and generous activity steered a very large number of young mathematicians towards study and research. We are grateful to him for his contributions to our discipline and we are very happy to dedicate to him this volume with respect, gratitude and friendship.

The papers collected in this double issue cover a wide range of topics in algebraic geometry, including, among others, curves, their projective embeddings and related moduli problems, totally geodesic submanifolds in Prym loci, surfaces of general type, deformation theory and moduli problems for surfaces, K3 surfaces and Fano varieties, surface singularities, Gushel–Mukai varieties, classification of higher dimensional varieties, inequalities for invariants of projective varieties, Seshadri constants, a Fulton–Hansen type theorem for almost homogeneous spaces, abelian varieties, geometry in positive characteristic, compact Kähler manifolds, derived categories. We thank all the authors who participated with enthusiasm in our initiative of producing this volume, which we hope will be appreciated by Fabrizio and will be of interest for the community of algebraic geometers and for the readers of the Bollettino.

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