

Contents

Preface	vii
Bibliography	ix
Harmonicity and biharmonicity of quadratic maps between spheres RAREȘ AMBROSIE	1
A survey on submanifolds of nearly Kähler spaces MATEO ANARELLA	23
Expressions of circles in a complex hyperbolic space by trajectories on tubes around complex hyperplanes YUSEI AOKI and TOSHIAKI ADACHI	35
On conservation laws for polyharmonic maps VOLKER BRÄNDING	49
Chen inequality for statistical submanifolds in Kenmotsu statistical manifolds of constant ϕ -sectional curvature SIMONA DECU and GABRIEL-EDUARD VÎLCU	67
Thurston geometries in dimension four from a Riemannian perspective MARIE D'HAENE	77
Recent results in Ricci and Yamabe solitons in contact geometry AMALENDU GHOSH, RAMESH SHARMA, and RAHUL PODDAR	87
Understanding of constant p -mean curvature hypersurfaces in the Heisenberg groups HSIAO-FAN LIU	99
Open problems on compact constant mean curvature surfaces with boundary RAFAEL LÓPEZ	105
On holomorphic conformal structures associated with lattice polarized K3 surfaces ANDREAS MALMENDIER and MICHAEL T. SCHULTZ	119
Triharmonic curves in the 3-dimensional Sol space S. MONTALDO and A. RATTO	135
A note on Weingarten surfaces foliated by helices ANA IRINA NISTOR	145

Characterizations of rotational biconservative hypersurfaces ÁLVARO PÁMPANO	159
Einstein warped-product manifolds and the screened Poisson equation ALEXANDER PIGAZZINI, LUCA LUSSARDI, MAGDALENA TODA, and ANDREW DEBENEDICTIS	173