

Lista de lucrări

Candidat: Lect. dr. Simona Elena Nistor (căs. Barna)

Articolele publicate cele mai relevante (din zona Q1)

1. **S. Nistor**, C. Oniciuc, N.C. Turgay, R. Yegin Şen. Biconservative surfaces in the 4-dimensional Euclidean sphere. **Annali di Matematica Pura ed Applicata** (4) 202 (2023), no. 5, 2345--2377. <https://doi.org/10.1007/s10231-023-01323-0> (**Q1-AIS**)
2. **S. Nistor**, C. Oniciuc. On the uniqueness of complete biconservative surfaces in 3-dimensional space forms. **Annali della Scuola Normale Superiore di Pisa. Classe di Scienze. Serie V**, 23 (2022), no. 3, 1565--1587. https://doi.org/10.2422/2036-2145.202010_037 (**Q1-AIS**)
3. **S. Nistor**, C. Oniciuc. Complete biconservative surfaces in the hyperbolic space H^3 . **Nonlinear Analysis. Theory, Methods & Applications. An International Multidisciplinary Journal**. 198 (2020), Paper no. 111860, 29 pp. <https://doi.org/10.1016/j.na.2020.111860> (**Q1-AIS**)
4. D. Fetcu, **S. Nistor**, C. Oniciuc. On biconservative surfaces in 3-dimensional space forms. **Communications in Analysis and Geometry** 24 (2016), no.5, 1027--1045. <https://doi.org/10.4310/CAG.2016.v24.n5.a5> (**Q1-AIS**)

Teza de doctorat

1. “Probleme de biarmonicitate și biconservativitate în teoria subvarietăților”/
“Biharmonicity and biconservativity topics in the theory of submanifolds”,
Coordonator Prof. dr. Cezar Oniciuc

Teza a primit distincția Summa Cum Laude în baza Ordinului Ministerului Educației Naționale și Cercetării Științifice nr.5561 din 04.12.2017

Data susținerii tezei de doctorat 20.09.2017

https://www.researchgate.net/publication/343365394_BIHARMONICITY_AND_BI_CONSERVATIVITY_TOPICS_IN_THE_THEORY_OF_SUBMANIFOLDS

Articolele publicate în reviste ISI

1. Ș. Andronic, **S. Nistor**. Gap results for biharmonic submanifolds in spheres. **Journal of Mathematical Analysis and Applications** 548 (2025), no. 1, Paper No. 129378, 34 pp. <https://doi.org/10.1016/j.jmaa.2025.129378> (Q2-AIS)
2. **S. Nistor**, M. Rusu. Intrinsic characterizations of biconservative surfaces in the four-dimensional hyperbolic space. **Mediterranean Journal of Mathematics** 21 (2024), no. 8, Paper No. 225, 27 pp. <https://doi.org/10.1007/s00009-024-02767-1> (Q2-AIS)
3. **S. Nistor**. A new gap for CMC biharmonic hypersurfaces in Euclidean spheres. **Journal of Mathematical Analysis and Applications** 523 (2023), no.2, Paper No. 127030, 14 pp. <https://doi.org/10.1016/j.jmaa.2023.127030> (Q2-AIS)
4. **S. Nistor**, C. Oniciuc. On the uniqueness of complete biconservative surfaces in $\mathbb{R}^3$. **Proceedings of the American Mathematical Society** 147 (2019), no. 3, 1231--1245. <https://doi.org/10.1090/proc/14322> (Q2-AIS)
5. **S. Nistor**. On biconservative surfaces. **Differential Geometry and its Applications** 54 (2017) 490--502, Part: B. <https://doi.org/10.1016/j.difgeo.2017.08.003> (Q2-AIS)
6. **S. Nistor**. Complete biconservative surfaces in $\mathbb{R}^3$ and S^3 . **Journal of Geometry and Physics** 110 (2016) 130--153. <https://doi.org/10.1016/j.geomphys.2016.07.013> (Q2-AIS)

Articolele apărute în volume ale conferințelor internaționale de specialitate

1. **S. Nistor**, C. Oniciuc. Global properties of biconservative surfaces in $\mathbb{R}^3$ and S^3 . **Proceedings Book of International Workshop on Theory of Submanifolds 1** (2016) 30--56. <https://doi.org/10.24064/iwts2016.2017.1>

Lucrările trimise spre publicare sau în lucru

1. V. Branding, S. Montaldo, **S. Nistor**, C. Oniciuc, A. Ratto. Conformal-biharmonic hypersurfaces in spheres and product spaces. <https://arxiv.org/abs/2502.02510>
2. V. Branding, **S. Nistor**, C. Oniciuc. On conformal-biharmonic maps and hypersurfaces. <https://arxiv.org/abs/2311.04493>
3. V. Branding, **S. Nistor**, C. Oniciuc. On the conformal-biharmonic stability of the identity map of Einstein manifolds. <https://arxiv.org/abs/2604.20257>
4. **S. Nistor**, M. Rusu. Extrinsic characterizations of biconservative surfaces in the four-dimensional hyperbolic space. <https://arxiv.org/abs/2605.22396>
5. S. Montaldo, **S. Nistor**, C. Oniciuc, A. Ratto. Compact biconservative hypersurfaces in Euclidean spheres.