

Asst. Prof. Sibel GERDAN AYDIN



Personal Information

Office Phone: [+90 212 455 5700](tel:+902124555700) Extension: 15383

Email: sibel.gerdan@istanbul.edu.tr

Web: <http://aves.istanbul.edu.tr/sibel.gerdan/>



International Researcher IDs

ORCID: 0000-0001-5278-6066

Publons / Web Of Science ResearcherID: AAE-7060-2020

ScopusID: 57197732548

Yoksis Researcher ID: 196846

Education Information

Post Doctorate, Katholieke Universiteit Leuven, Faculty of Science, Department of Mathematics, Belgium 2023 - 2024

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Fen Fakültesi Bölümü, Turkey 2015 - 2021

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Matematik Anabilim Dalı, Turkey 2012 - 2015

Undergraduate, Istanbul University, Faculty Of Science, Department of Mathematics, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Measurement and Evaluation, Eğitimcinin Eğitimi Sertifika Programı, İstanbul University, 2021

Education Management and Planning, Pedagojik Formasyon, İstanbul University, 2009

Dissertations

Doctorate, CONFORMAL-TWISTED AND WARPED-TWISTED PRODUCT MANIFOLDS AND SUBMANIFOLDS, Istanbul University, Faculty Of Science, Department of Mathematics, 2021

Postgraduate, Kısmi-Eğik Altmanifoldların Geometrisi, Istanbul University, Faculty of Science, Matematik, 2015

Research Areas

Mathematics, Differential Geometry, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2022 - Continues
Researcher, Katholieke Universiteit Leuven, Faculty of Science, Department of Mathematics, 2023 - 2024
Research Assistant, Istanbul University, Faculty of Science, Department of Mathematics, 2014 - 2022

Courses

GENEL MATEMATİK I, Undergraduate, 2022 - 2023
MATHEMATICS, Undergraduate, 2022 - 2023
MATHEMATICS I, Undergraduate, 2022 - 2023
DİSKRET MATEMATİK, Undergraduate, 2022 - 2023
DİSKRET MATEMATİK, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On Almost η -Ricci-Bourguignon Solitons**
Traore M., Taştan H. M., Gerdan Aydın S.
MISKOLC MATHEMATICAL NOTES, vol.25, no.1, pp.493-508, 2024 (SCI-Expanded)
- II. **On a Certain Type of Warped-Twisted Product Submanifolds**
Gerdan Aydın S., Taştan H. M.
TURKISH JOURNAL OF MATHEMATICS, vol.46, no.7, pp.2645-2662, 2022 (SCI-Expanded)
- III. **Warped-Twisted Product Semi-Slant Submanifolds**
Taştan H. M., Gerdan Aydın S.
FILOMAT, vol.36, no.5, pp.1587-1602, 2022 (SCI-Expanded)
- IV. **Conformal-twisted product semi-slant submanifolds in globally conformal Kaehler manifolds**
Gerdan Aydın S., Taştan H. M.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.4, pp.1028-1046, 2021 (SCI-Expanded)
- V. **Clairaut Anti-invariant Submersions from Sasakian and Kenmotsu Manifolds**
Tastan H. M., Gerdan S.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.14, no.6, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Warped-twisted products and Einstein-like manifolds**
Gerdan Aydın S., Taştan H. M.
NOVI SAD JOURNAL OF MATHEMATICS, vol.53, no.2, pp.1-19, 2024 (Scopus)
- II. **ζ (Ric)-vector fields on doubly warped product manifolds**
Gerdan Aydın S., Traore M., Taştan H. M.
Istanbul Journal of Mathematics, vol.1, no.2, pp.67-73, 2023 (Peer-Reviewed Journal)
- III. **Biwarped Product Submanifolds With a Slant Base Factor**
Gerdan Aydın S., Taştan H. M., Traore M., Ülker Y.
International Journal of Maps in Mathematics, vol.5, no.2, pp.154-181, 2022 (Peer-Reviewed Journal)
- IV. **Some results on warped and twisted products**
Taştan H. M., Gerdan Aydın S.
Rivista di Matematica della Università di Parma, vol.12, no.2, pp.239-244, 2021 (ESCI)
- V. **Multiply Warped Product Generalized Semi-Invariant Submanifolds**
Traore M., Taştan H. M., Gerdan Aydın S.
International Electronic Journal of Geometry, vol.14, no.2, pp.313-330, 2021 (ESCI)
- VI. **ON DOUBLY WARPED PRODUCTS**

Gerdan Aydın S., Taştan H. M.

Com m u nica tio n s Fa culty o f S cien ce s U nive rsity o f A n ka ra -S e rie s A 1 M a th em a tic s a n d S ta tistic s, vol.69, no.2, pp.1329-1335, 2020 (ESCI)

VII. **CLAIRAUT ANTI-INVARIANT SUBMERSIONS FROM COSYMPLECTIC MANIFOLDS**

Taştan H. M., Gerdan Aydın S.

HONAM MATHEMATICAL JOURNAL, vol.41, no.4, pp.707-724, 2019 (Peer-Reviewed Journal)

VIII. **Doubly Twisted Product Semi-Invariant Submanifolds of a Locally Product Riemannian Manifold**

TAŞTAN H. M., GERDAN S.

Mathematical Advances in Pure and Applied Sciences, vol.1, no.1, pp.23-26, 2018 (Peer-Reviewed Journal)

IX. **Hemi-Slant Submanifolds of A Locally Conformal Kaehler Manifold**

Taştan H. M., Gerdan Aydın S.

International Electronic Journal of Geometry, vol.8, no.2, pp.46-56, 2015 (ESCI)

Books & Book Chapters

I. **Hemi-slant and Semi-slant Submanifolds in Locally Conformal Kaehler Manifolds**

Taştan H. M., Gerdan Aydın S.

in: Complex Geometry of Slant Submanifolds, Chen,BY.,Shahid,M.H.,Al-Solamy,F., Editor, Springer Nature, Singapore, pp.161-201, 2022

Refereed Congress / Symposium Publications in Proceedings

I. **ON RIEMANNIAN MANIFOLDS ADMITTING ζ (RIC)-VECTOR FIELDS**

Gerdan Aydın S., Taştan H. M., Traore M.

Riemannian Geometry and Applications-RIGA 2023, Bucuresti, Romania, 22 - 24 September 2023, pp.47

II. **SOME CHARACTERIZATIONS ON GRADIENT ALMOST η -RICCI-BOURGUIGNON SOLITONS**

Traore M., Taştan H. M., Gerdan Aydın S.

Riemannian Geometry and Applications-RIGA 2023, Bucuresti, Romania, 22 - 24 September 2023, pp.48

III. **Almost η -Ricci-Bourguignon solitons and integral formulas**

Gerdan Aydın S., Taştan H. M., Traore M.

Pure and Applied Differential Geometry-PADGE 2023, Leuven, Belgium, 10 - 14 July 2023, pp.9

IV. **Gradient Solitons on Warped-twisted Product Manifolds**

Gerdan Aydın S., Taştan H. M.

19th International Geometry Symposium, Edirne, Turkey, 27 June - 30 July 2022, pp.126

V. **On Warped-Twisted Product Submanifolds**

Gerdan Aydın S., Taştan H. M.

18th International Geometry Symposium , Malatya, Turkey, 12 - 13 July 2021, pp.46

VI. **On Doubly Twisted Submanifolds**

Gerdan S., Taştan H. M.

16th International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018, pp.153

VII. **On Anti-Invariant Submersions whose Total Manifolds are Cosymplectic**

Gerdan S., Taştan H. M.

International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017, pp.191

VIII. **Non-Existence of Doubly Warped Semi-Invariant Submanifolds of a Locally Product Riemannian Manifolds**

Gerdan S., Taştan H. M.

International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017, pp.181

IX. **On Anti-Invariant Riemannian Submersion From Sasakian Manifolds**

Gerdan S., Taştan H. M.

International Workshop On Theory of Submanifolds, İstanbul, Turkey, 2 - 04 June 2016, pp.33

X. Minimal Surfaces and Harmonic Mappings

Gerdan S., Taştan H. M.

14th International Geometry Symposium, Denizli, Turkey, 25 - 28 May 2016, pp.1

XI. Hemi-slant submanifolds of a locally conformal Kaehler manifold

Gerdan S., Taştan H. M.

XIII. Geometri Sempozyumu, İstanbul, Turkey, 27 - 30 July 2015, pp.81

Supported Projects

Gerdan Aydın S., TÜBİTAK Project, Ricci Solitons of Lagrangian Submanifolds and Applications to Some Special Vector Fields, 2023 - 2024

Taştan H. M., Güler S., Gerdan Aydın S., TÜBİTAK Project, Yaklaşık Çift Bükülmüş Çarpım Manifoldlar ve Alt Manifoldlar, 2019 - 2021

DURU H., GERDAN S., İLTER S., Project Supported by Higher Education Institutions, Multiplication operators and f-algebras, 2014 - 2017

Scientific Refereeing

Universal Journal of Mathematics and Applications, Other Indexed Journal, June 2024

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, August 2022

MEDITERRANEAN JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, April 2022

TURKISH JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, February 2022

MEDITERRANEAN JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, March 2019

Congress and Symposium Activities

Riemannian Geometry and Applications-RIGA 2023, Attendee, Bucuresti, Romania, 2023

Pure and Applied Differential Geometry - PADGE 2023, Attendee, Leuven, Belgium, 2023

19th International Geometry Symposium, Attendee, Edirne, Turkey, 2022

18th International Geometry Symposium, Attendee, Malatya, Turkey, 2021

16th International Geometry Symposium, Attendee, Manisa, Turkey, 2018

International Conference on Mathematics and Engineering, Attendee, İstanbul, Turkey, 2017

International Workshop On Theory Of Submanifolds, Attendee, İstanbul, Turkey, 2016

14th International Geometry Symposium, Attendee, Denizli, Turkey, 2016

13. Geometri Sempozyumu, Attendee, İstanbul, Turkey, 2015

Scholarships

2219-International Postdoctoral Research Fellowship Program for Turkish Citizens, TÜBİTAK, 2023 - 2024

2210- Yurt İçi Yüksek Lisans Bursu, TÜBİTAK, 2012 - 2014

Awards

Gerdan Aydın S., Highest Ranked Student of Faculty of Science, İstanbul Üniversitesi, Fen Fakültesi, July 2012