

Cem Sayar

Florida International University,
Dept. of Mathematics and Statistics,
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(Visiting Scholar)

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Istanbul Technical University,
Dept. of Mathematics Engineer,
Istanbul, Turkey
(Assistant Professor)

EDUCATION:

- **PhD. , Department of Mathematics,
Istanbul Technical University, September 2019**

✓ *Generic Submersions*

Advisor: Prof. Fatma ÖZDEMİR
Co-Advisor: Prof. Hakan Mete TAŞTAN

- **Pedagogical Formation, Istanbul University, Istanbul, Turkey, 2014**

- **MSc. , Department of Mathematics,
Istanbul University, Turkey, June 2013**

✓ *Some Criteria for Constancy in Almost Hermitian Manifolds*

Advisor: Prof. Hakan Mete TAŞTAN

- **BSc. , Department of Mathematics,
Istanbul University, Turkey, June 2009**

PROFESSIONAL EXPERIENCE:

- 2021 – Present, **Visiting Scholar**, Florida International University, Miami, US (Prof. Tedi DRAGHICI)
- 2019 – Present, **Assistant Professor**, Istanbul Technical University, Istanbul, Turkey

- September 2019 – November 2019, **Visiting Scholar**, Ioan Cuza University, Iasi, Romania (Prof. Cornelia Livia BEJAN)
- 2013 – 2019, **Teaching and Research Assistant**, Istanbul Technical University, Istanbul, Turkey

TEACHING EXPERIENCE:

➤ **2021 - Present , Visiting Scholar,
Department of Mathematics and Statistics,
Florida International University**

- ✓ 2021 – 2022, Spring Term,
Differential Geometry, Support to the students unofficially
- ✓ 2021 – 2022, Summer Term, (In person)
Calculus II (May 9, 2021 - July 29, 2022)

➤ **2019-2021, Assistant Professor,
Department of Mathematics,
Istanbul Technical University**

- ✓ 2019 - 2020 Summer Term,
Mathematics I (2 classes, English), Theory + Recitation Sessions (140 hours - Online)

<https://www.mathavuz.itu.edu.tr/mat/catalog.php?code=MAT103>

- ✓ 2020 – 2021 Fall Term,
Mathematics I (3 classes, English), Theory + Recitation Sessions (210 hours - Online)

- ✓ 2020-2021 Spring Term,
Mathematics II (3 classes, English), Theory + Recitation Sessions (210 hours – Online)

<https://www.mathavuz.itu.edu.tr/mat/catalog.php?code=MAT104>

- ✓ 2020-2021 Summer Term,

Mathematics I (1 class, English), Theory + Recitation Sessions (70 hours - Online)

- ✓ Mathematics II (1 class, English), Theory + Recitation Sessions (70 hours - Online)

➤ **2013-2019, Teaching and Research Assistant,
Department of Mathematics,
Istanbul Technical University**

- ✓ Mathematics I (English), Recitation Sessions, (336 hours - In person)

<https://www.mathavuz.itu.edu.tr/mat/catalog.php?code=MAT103>

- ✓ Mathematics II (English), Recitation Sessions, (336 hours - In person)

<https://www.mathavuz.itu.edu.tr/mat/catalog.php?code=MAT104>

➤ **2005 – Present , Tutoring & grading various undergraduate and graduate courses**

RESEARCH:

Publication:

- ✓ Bejan, Cornelia Livia; **Sayar, Cem**
Generic Submanifolds of Almost Contact Metric Manifolds (to appear, 2022).
- ✓ **Sayar, Cem**
Generalized skew semi-invariant submersions.
Mediterr. J. Math. 17 (2020), no. 3, Paper No. 81, 21 pp.
- ✓ **Sayar, Cem**; Akyol, Mehmet Akif; Prasad, Rajendra
Bi-slant submersions in complex geometry.
Int. J. Geom. Methods Mod. Phys. 17 (2020), no. 4, 2050055, 17 pp.
- ✓ **Sayar, Cem**; Taştan, Hakan Mete; Özdemir, Fatma; Tripathi, Mukut Mani
Generic submersions from Kaehler manifolds.
Bull. Malays. Math. Sci. Soc. 43 (2020), no. 1, 809–831.
- ✓ Bejan, Cornelia Livia; **Sayar, Cem**
Generalized skew-semi invariant submanifolds of almost paracontact manifolds.
Mem. Sect. Ştiint. Acad. Română Ser. IV 42 (2019), 73–79.

- ✓ **Sayar, Cem;** Özdemir, Fatma; Taştan, Hakan Mete
Pointwise semi-slant submersions whose total manifolds are locally product Riemannian manifolds.
Int. J. Maps Math. 1 (2018), no. 1, 91–115.
- ✓ Özdemir, Fatma; **Sayar, Cem;** Taştan, Hakan Mete
Semi-invariant submersions whose total manifolds are locally product Riemannian.
Quaest. Math. 40 (2017), no. 7, 909–926.
- ✓ Taştan, Hakan Mete; Özdemir, Fatma; **Sayar, Cem**
On anti-invariant Riemannian submersions whose total manifolds are locally product Riemannian.
J. Geom. 108 (2017), no. 2, 411–422.

Presentation:

- ✓ Bejan C.L., Sayar C., 2021. ***Generic Submanifolds of Almost Contact Metric Manifolds.*** 18th International Geometry Symposium, 2021, Malatya, Turkey, (Online).
- ✓ Sayar C., Akyol M. A., Prasad R., 2019. ***On bi-slant submersions*** . The International Conference "Differential Geometry and Dynamical Systems - 2019" (DGDS-2019), October 10-12 , Bucharest, Romania.
- ✓ Sayar C., Akyol M. A., Prasad R., 2019. ***Bi-slant submersions from Kaehler manifolds.*** 17th International Geometry Symposium, June 19-22, 2019 Erzincan, Turkey.
- ✓ Sayar C., 2019. ***Generalized skew semi-invariant submersions.*** International Symposium of Differential Models in Geometry, Computer Science and Hydrotechnics (DiMoGeCH), May 22-25, Iasi, Romania.
- ✓ Sayar C., Özdemir F., Taştan H. M., 2018. ***Generic submersions from Kaehler manifolds II.*** 16th International Geometry Symposium, July 4-7, Manisa, Turkey.

- ✓ Sayar C., Özdemir F., Taştan H. M., 2018. ***Generic submersions from Kaehler manifolds I***. 16th International Geometry Symposium, July 4-7, Manisa, Turkey.
- ✓ Sayar C., Özdemir F., Taştan H. M., 2016. ***The Geometry of Anti-invariant Submersions From Locally Product Riemannian Manifolds***. International Workshop On Theory of Submanifolds, June 2-4, Istanbul, Turkey.
- ✓ Sayar C., Özdemir F., Taştan H. M., 2016. ***Semi-slant submersions from locally product Riemannian manifolds***. 14th Geometry Symposium, May 25-28, Denizli, Turkey.
- ✓ Sayar C., Özdemir F., Taştan H. M., 2015. ***Semi-invariant submersion from locally product Riemannian manifolds***. 13th Geometry Symposium, July 27-30, Istanbul, Turkey.
- ✓ Sayar C., Özdemir F., Taştan H. M., 2014. ***On hemi-slant submanifolds in locally product Riemannian manifolds***. International Workshop on Finite Type Submanifolds, September 3-5, Istanbul, Turkey.
- ✓ Sayar C., Taştan H. M., 2013. ***Takribi Hermitiyen manifoldlarda sabitlik için kriterler***. 26. Ulusal Matematik Sempozyumu, September 4-7, Diyarbakır, Turkey.

Grants/Support:

- Abroad Research Project Scholarship, Scientific and Technological Research Council of Turkey, 10/17/2021 – 10/17/2022, (\$30,000)

Project Title: On 4-dimensional Riemann Einstein – Maxwell Metrics
Prof. Tedi DRAGHICI, Florida International University

- Short-term Postdoc, Ioan Cuza University, Iasi, Romania, (\$9,000)
- PhD. Success Scholarship, Scientific and Technological Research Council of Turkey, 2013 – 2019, (\$35,000)

Referee Roles for Some Journals:

- ✓ Turkish Journal of Mathematics
<https://journals.tubitak.gov.tr/math/index.htm>
- ✓ Hacettepe Journal of Mathematics and Statistics
<https://dergipark.org.tr/en/pub/hujms>
- ✓ Hagia Sophia Journal of Geometry
<https://dergipark.org.tr/en/pub/hsig>
- ✓ Fundamentals Contemporary Mathematical Sciences
<https://dergipark.org.tr/en/pub/fcmathsci>

Research Interest:

- ✓ Complex Geometry
- ✓ Symplectic Geometry
- ✓ Riemannian Geometry
- ✓ Contact Geometry
- ✓ The theory of submersions
- ✓ The theory of submanifolds

SERVICE:

- 2017 – 2018, Fall Term, Mathematics Common Courses Co-Coordinator, Istanbul Technical University, (www.mathavuz.edu.tr)
- 2017 – 2018, Spring Term, Mathematics Common Courses Co-Coordinator, Istanbul Technical University, (www.mathavuz.edu.tr)
- 2018 – 2019, Fall Term, Mathematics Common Courses Co-Coordinator, Istanbul Technical University, (www.mathavuz.edu.tr)
- 2018 – 2019, Spring Term, Mathematics Common Courses Co-Coordinator, Istanbul Technical University, (www.mathavuz.edu.tr)
- 2019 – 2020, Summer Term, Mathematics Common Courses Coordinator, Istanbul Technical University, (www.mathavuz.edu.tr)
- 2020 – 2021, Spring Term, Mathematics Common Courses Coordinator, Istanbul Technical University, (www.mathavuz.edu.tr)
- 2020 – 2021, Summer Term, Mathematics Common Courses Coordinator, Istanbul Technical University, (www.mathavuz.edu.tr)
- 2013 – 2020, Faculty of Science and Letters Student Soccer Team Responsibility, Istanbul Technical University, Istanbul, Turkey
- 2013 – 2020, Faculty of Science and Letters Student Basketball Team Responsibility, Istanbul Technical University, Istanbul, Turkey
- 2020 – 2021, Faculty of Science and Letters Staff Football Team Responsibility, Istanbul Technical University, Istanbul, Turkey

REFERENCE:

- Prof. Umut ÇAĞLAR, Florida International University, Miami, US
✉: ucaglar@fiu.edu
☎: +1-305-348-4336
- Prof. Bayram ŞAHİN, Ege University, İzmir, Turkey
✉: bayram.sahin@ege.edu.tr
☎: +905303243032
- Prof. Tedi DRAGHICI, Florida International University, Miami, US
✉: draghici@fiu.edu
☎: +1-786-569-9518
- Prof. Maria FALCITELLI, Bari University, Bari, Italy
✉: maria.falcitelli@uniba.edu
☎: +39 080 544 2844
- Prof. Cornelia Livia BEJAN, Ioan Cuza University, Iasi, Romania
✉: bejanliv@yahoo.com
☎: +40747246011
- Prof. Fatma ÖZDEMİR, Istanbul Technical University, Istanbul, Turkey
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