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Personal Information

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Education Information

Post Doctorate, Ifremer (L'institut Français De Recherche Pour L'exploitation De La Mer), Dyneco (Department Of Coastal Environment Dynamics), Physed (Hydrodynamics And Sediment Dynamics Laboratory), France 2014 - 2015
Doctorate, University Of Florida, Civil And Coastal Engineering, Coastal And Oceanographic Engineering, United States Of America 2008 - 2012

Postgraduate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, İnşaat Mühendisliği, Turkey 2005 - 2007

Undergraduate, Yıldız Teknik Üniversitesi, Faculty of Construction, İnşaat Mühendisliği, Turkey 2000 - 2005

Research Areas

Civil Engineering, Hydraulic, Coastal Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Yıldız Technical University, Faculty Of Construction, Civil Engineering Department, 2018 - Continues

Assistant Professor, Yıldız Technical University, Faculty Of Construction, Civil Engineering Department, 2017 - 2018

Research Assistant PhD, Yıldız Technical University, Faculty Of Construction, Civil Engineering Department, 2012 - 2017

Research Assistant, Yıldız Technical University, Faculty Of Construction, Civil Engineering Department, 2005 - 2012

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Evaluation of regional climate models and future wind characteristics in the Black Sea**
İŞLEK F., YÜKSEL Y., ŞAHİN C.
INTERNATIONAL JOURNAL OF CLIMATOLOGY, 2021 (Journal Indexed in SCI)
- II. **Effect of particle size distribution on Acoustic Doppler Velocimeter backscatter for suspended sediment measurements**
ŞAHİN C.
Flow Measurement and Instrumentation, vol.79, 2021 (Journal Indexed in SCI)
- III. **Long-term analysis of extreme wave characteristics based on the SWAN hindcasts over the Black Sea using two different wind fields**
İşlek F., Yüksel Y., Şahin C., Güner H. A.
DYNAMICS OF ATMOSPHERES AND OCEANS, vol.94, 2021 (Journal Indexed in SCI)
- IV. **Spatiotemporal long-term trends of wind and wave climate and extreme characteristics over the Sea of Marmara**
YÜKSEL Y., Yuksel Z. T. , İŞLEK F., ŞAHİN C., Ari Guner H. A.
OCEAN ENGINEERING, vol.228, 2021 (Journal Indexed in SCI)

- V. **The 30 October 2020 Aegean Sea Tsunami: Post-Event Field Survey Along Turkish Coast**
Dogan G. G. , YALÇINER A. C. , YÜKSEL Y., ULUTAŞ E., Polat O., GÜLER I., ŞAHİN C., Tarih A., KANOĞLU U.
PURE AND APPLIED GEOPHYSICS, 2021 (Journal Indexed in SCI)
- VI. **Long-term variability of the mean sea level pressure field over the Black Sea**
İşlek F., Yüksel Y., Şahin C.
Aquatic Ecosystem Health & Management, vol.23, no.4, pp.453-464, 2020 (Journal Indexed in SCI Expanded)
- VII. **Stability of berm type breakwater with cube blocks in the lower slope and berm**
YÜKSEL Y., ÇEVİK E., van Gent M. R. , ŞAHİN C., Altunsu A., Tugce Yuksel Z.
Ocean Engineering, vol.217, 2020 (Journal Indexed in SCI)
- VIII. **Effect of long-term wave climate variability on performance-based design of coastal structures**
Yüksel Y., Yüksel Z. T. , Şahin C.
Aquatic Ecosystem Health & Management, vol.23, no.4, pp.407-416, 2020 (Journal Indexed in SCI Expanded)
- IX. **A Numerical Investigation of Wave-Supported Gravity Flow During Cold Fronts Over the Atchafalaya Shelf**
Zang Z., Xue Z. G. , Xu K., Ozdemir C. E. , Chen Q., Bentley S. J. , ŞAHİN C.
Journal of Geophysical Research: Oceans, vol.125, no.9, 2020 (Journal Indexed in SCI Expanded)
- X. **Spatiotemporal long-term trends of extreme wind characteristics over the Black Sea**
İşlek F., Yüksel Y., Şahin C.
Dynamics of Atmospheres and Oceans, vol.90, 2020 (Journal Indexed in SCI)
- XI. **Acoustic doppler velocimeter backscatter for suspended sediment measurements: Effects of sediment size and attenuation**
Şahin C., Öztürk M., Aydoğan B.
APPLIED OCEAN RESEARCH, vol.94, 2020 (Journal Indexed in SCI)
- XII. **Current power potential of a sea strait: The Bosphorus**
ÖZTÜRK M., ŞAHİN C., YÜKSEL Y.
RENEWABLE ENERGY, vol.114, pp.191-203, 2017 (Journal Indexed in SCI)
- XIII. **Floc size variability under strong turbulence: Observations and artificial neural network modeling**
ŞAHİN C., GÜNER H. A. , ÖZTÜRK M., SHEREMET A.
APPLIED OCEAN RESEARCH, vol.68, pp.130-141, 2017 (Journal Indexed in SCI)
- XIV. **Acoustic backscatter by suspended cohesive sediments: Field observations, Seine Estuary, France**
ŞAHİN C., VERNEY R., SHEREMET A., VOULGARIS G.
CONTINENTAL SHELF RESEARCH, vol.134, pp.39-51, 2017 (Journal Indexed in SCI)
- XV. **Investigation of the variability of floc sizes on the Louisiana Shelf using acoustic estimates of cohesive sediment properties**
Sahin C.
MARINE GEOLOGY, vol.353, pp.55-64, 2014 (Journal Indexed in SCI)
- XVI. **Fluid Mud Properties in Nautical Depth Estimation**
MEHTA A. J. , SAMSAMI F., Khare Y. P. , ŞAHİN C.
JOURNAL OF WATERWAY PORT COASTAL AND OCEAN ENGINEERING, vol.140, no.2, pp.210-222, 2014 (Journal Indexed in SCI)
- XVII. **Modeling wave-mud interaction on the central chenier-plain coast, western Louisiana Shelf, USA**
Safak I., Sahin C., KAIHATU J. M. , Sheremet A.
OCEAN MODELLING, vol.70, pp.75-84, 2013 (Journal Indexed in SCI)
- XVIII. **Observations of suspended sediment stratification from acoustic backscatter in muddy environments**
Sahin C., Safak I., Hsu T., Sheremet A.
MARINE GEOLOGY, vol.336, pp.24-32, 2013 (Journal Indexed in SCI)
- XIX. **Observations on cohesive bed reworking by waves: Atchafalaya Shelf, Louisiana**
Sahin C., Safak I., SHEREMET A., MEHTA A. J.
JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS, vol.117, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Sakarya Nehri Deltası'nda Uzun Süreli Rüzgar ve Dalga İklimi Değişimleri**
ŞAHİN C.
Dokuz Eylül Üniversitesi Mühendislik Fakültesi Fen ve Mühendislik Dergisi, vol.22, no.65, pp.353-368, 2020 (Other Refereed National Journals)

Books & Book Chapters

- I. **Kıyı Yapıları Planlama Ve Tasarım Teknik Esasları**
YÜKSEL Y., Ergin A., ÇEVİK E., Yalçınar A. C. , Güler I., YÜZER N., AYAT B., Kanoğlu U., ÇELİKOĞLU Y., Güner H. A. , et al.
Altyapı Yatırımları Genel Müdürlüğü, İstanbul, 2016

Refereed Congress / Symposium Publications in Proceedings

- I. **Vulnerability Of A River Delta Coast To The Impacts Of Climate Change**
ŞAHİN C., ÖZTÜRK M., GÜNER H. A. , YÜKSEL Y., Altınsu A.
VIRTUAL INTERNATIONAL CONFERENCE ON COASTAL ENGINEERING 2020, United States Of America, 6 - 09 October 2020, vol.36, pp.1
- II. **PERFORMANCE BASED DESIGN of COASTAL STRUCTURES**
Yüksel Z. T. , YÜKSEL Y., ŞAHİN C.
SCACR 2019, Bari, Italy, 11 - 14 September 2019, vol.1, pp.1-2
- III. **LONG-TERM VARIABILITY OF THE MEAN SEA LEVEL PRESSURE FIELD OVER THE BLACK SEA**
İŞLEK F., YÜKSEL Y., ŞAHİN C.
SCACR19, Bari, Italy, 9 - 11 September 2019, vol.1, pp.1-3
- IV. **LONG TERM EVALUATION OF SEDIMENT DYNAMICS IN THE SAKARYA RIVER DELTA COAST**
ŞAHİN C., ÖZTÜRK M., GÜNER H. A. , YÜKSEL Y., Altınsu A., Şafak I.
INTERCOH 2019, 13 - 17 October 2019
- V. **LONG TERM EVALUATION OF SEDIMENT DYNAMICS IN THE SAKARYA RIVER DELTA COAST**
Şahin C., Öztürk M., Güner H. A. , Yüksel Y., Altınsu A., Şafak .
INTERCOH 2019 (15th INTERNATIONAL CONFERENCE on COHESIVE SEDIMENT TRANSPORT PROCESSES), İstanbul, Turkey, 13 - 16 October 2019, pp.44-45
- VI. **ESTIMATION OF FLUID MUD THICKNESS ON SEAFLOOR BASED ON SURFACE WAVE OBSERVATIONS**
Şafak I., Şahin C., Mehta A., Kaihatu J., Sheremet A.
INTERCOH 2019, 15th INTERNATIONAL CONFERENCE on COHESIVE SEDIMENT TRANSPORT PROCESSES, İstanbul, Turkey, 13 - 17 October 2019, vol.1, pp.57-58
- VII. **Stability effects of cube armor unit placement**
YÜKSEL Y., ÇEVİK E., VAN GENT M., ŞAHİN C., GÜLVER M., GÜLTEKİN C.
36. International Conference on Coastal Engineering (ICCE) 2018, Baltimore, United States Of America, 31 July - 05 August 2018
- VIII. **Türkiye Denizlerindeki Su Seviyesi Değişimi**
YÜKSEL Y., ÖZTÜRK M., ŞAHİN C., Halat O., DOĞAN U., Yüksel T., Karova C.
9. Kıyı Mühendisliği Sempozyumu, Adana, Turkey, 01 November 2018, pp.60-67
- IX. **Güncel Akustik Yöntemler Kullanılarak Askı Malzemesi Konsantrasyonunun Ölçülmesi**
ŞAHİN C., ÖZTÜRK M., Aydoğan B.
9. Ulusal Kıyı Mühendisliği Sempozyumu, Adana, Turkey, 01 November 2018, pp.132-140
- X. **Güncel Akustik Yöntemler Kullanılarak Katı Madde Taşınımının Ölçülmesi**
ŞAHİN C., ÖZTÜRK M., AYDOĞAN B.

9. Kıyı Mühendisliği Sempozyumu, Adana, Turkey, 1 - 03 November 2018
- XI. **Küp bloklı basamaklı dalgakıranların stabilitesi**
YÜKSEL Y., ÇEVİK E., ŞAHİN C., ALTINSU A.
9. Kıyı Mühendisliği Sempozyumu, Turkey, 1 - 03 November 2018, pp.222-227
- XII. **Türkiye denizlerinde su seviyesi değişimi**
YÜKSEL Y., ÖZTÜRK M., ŞAHİN C., Halat O., DOĞAN U., Yüksel Z. T. , Karova C.
9. Kıyı Mühendisliği Sempozyumu, Turkey, 1 - 03 November 2018, pp.60-67
- XIII. **Basamaklı dalkarınarda dalga aşmasının araştırılması**
ARUKAN Ş., ÇEVİK E., YÜKSEL Y., ŞAHİN C.
9. Kıyı Mühendisliği Sempozyumu, Turkey, 1 - 03 November 2018, pp.240-251
- XIV. **ANALYZING FLOW ENERGY POTENTIAL OF THE BOSPHORUS STRAIT**
ÖZTÜRK M., ŞAHİN C., YÜKSEL Y.
36th International Conference on Coastal Engineering (ICCE 2018), 30 July - 03 August 2018
- XV. **EVALUATION OF THE WAVE CLIMATE OVER THE BLACK SEA FIELD OBSERVATIONS AND MODELING**
SARAÇOĞLU K. E. , GÜNER H. A. , ŞAHİN C., YÜKSEL Y., ÇEVİK E.
ICCE 2016, 17 - 20 November 2016, vol.1
- XVI. **Evaluation of Bottom Trawling Impact on Sediment Dynamics in the Gulf of Lions, A Modeling Approach**
VERNEY R., ŞAHİN C., Mengual B., Gangloff A., Doxaran D., Le Berre D., Jacquet M., Pairaud I., Gohin F.
ICCE 2016, The 35th International Conference on Coastal Engineering, Antalya, Turkey, 17 November 2016, pp.1
- XVII. **Numerical Investigation of the Impact of a Groin System on Shoreline Evolution**
GÜNER H. A. , ŞAHİN C., ÇEVİK E., YÜKSEL Y.
ICCE 2016, 17 November 2016, vol.1, no.35
- XVIII. **Modeling Flocculation Processes Using Artificial Neural Networks**
ŞAHİN C., GÜNER H. A. , ÖZTÜRK M., Sheremet A.
ISOPE 2016, Rodos, Greece, 26 June 2016, pp.1-6
- XIX. **Flocculation: A general aggregation-fragmentation framework**
Sheremet A., ŞAHİN C., Manning A. J.
35th International Conference on Coastal Engineering, ICCE 2016, Antalya, Turkey, 17 - 20 November 2016, vol.35
- XX. **Evaluation of the wave climate over the black sea: Field observations and modeling**
Saraçoğlu K. E. , Anil Ari Güner H. A. , Şahin C., Yüksel Y., Çevik E. Ö.
35th International Conference on Coastal Engineering, ICCE 2016, Antalya, Turkey, 17 - 20 November 2016, vol.35
- XXI. **Contributions of Human Activities and Natural (Extreme) Events on the Sediment Dynamics in the Gulf of Lions**
ŞAHİN C., Mengual B., Ganglof A., Doxaran D., Le Berre D., Jacquet M., Pairaud I.
01 May 2015
- XXII. **Askıdaki Kohezyonlu Katı Madde Özelliklerinin Akustik Yöntemlerle Ölçülmesi**
ŞAHİN C., Safak I., Sheremet A.
01 November 2014
- XXIII. **Observations of the variability of floc sizes on the Louisiana Shelf**
ŞAHİN C., Sheremet A.
European Geosciences Union General Assembly, EGU 2014, 01 April 2014
- XXIV. **Investigation of acoustic response in cohesive sedimentary environments**
ŞAHİN C., Sheremet A., Verney R.
The 8th Symposium on River, Coastal and Estuarine Morphodynamics, RCEM 2013, 01 June 2013
- XXV. **Bed-sediment response to energetic waves, Atchafalaya inner shelf, Louisiana**
ŞAHİN C., Safak I., Sheremet A., Allison M. A.
01 May 2011, pp.2415-2423
- XXVI. **Investigation of muddy seafloor response to energetic waves on the Louisiana Shelf**
ŞAHİN C., Safak I., Sheremet A., Hsu T. J. , Allison M. A.
AGU Fall Meeting, 01 December 2010

- XXVII. **A method for estimating concentration profiles for suspended cohesive sediment based on profiles of acoustic backscatter**
ŞAHİN C., Safak I., Sheremet A., Allison M. A.
AGU Ocean Sciences Meeting, 01 February 2010
- XXVIII. **Parametric Wave Modelling, A Case Study**
ŞAHİN C., Aydoğan B., ÇEVİK E., YÜKSEL Y.
8th International Conference on the Mediterranean Coastal Environment, Alexandria, Canada, 13 - 17 November 2007, pp.1195-1205
- XXIX. **Wave climate study in the southwest coast of the Black Sea**
Ari H. A. , Yuksel Y., ÇEVİK E., ŞAHİN C., Ayat B.
16th International Offshore and Polar Engineering Conference (ISOPE 2006), San-Francisco, Costa Rica, 28 May - 02 June 2006, pp.102-106

Supported Projects

- ŞAHİN C., TUBITAK Project, Askı Malzemesi Konsantrasyon Ölçümleri Üzerinde Tane Çapının Etkisinin Araştırılması, 2018 - Continues
- ÖZTÜRK M., ŞAHİN C., TUBITAK Project, Akarsu Delta Sistemlerinin İklim Değişikliği Etkilerine Karşı Kırılgenliği: Sakarya Nehri Deltası Örneği, 2018 - Continues
- ŞAHİN C., AYDOĞAN B., ÖZTÜRK M., Project Supported by Higher Education Institutions, Güncel akustik yöntemler kullanılarak akıntı ölçüm cihazlarının kapasitelerinin geliştirilmesi: katı madde taşınımının ölçülmesi, 2016 - 2019

Scientific Refereeing

- MEASUREMENT, Journal Indexed in SCI-E, July 2021
- JOURNAL OF GEOPHYSICAL RESEARCH-EARTH SURFACE, SCI Journal, May 2021
- FRONTIERS IN MARINE SCIENCE, SCI Journal, October 2020
- WATER RESOURCES RESEARCH, SCI Journal, September 2020
- MARINE GEOLOGY, SCI Journal, January 2020
- ESTUARINE COASTAL AND SHELF SCIENCE, SCI Journal, September 2019
- TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Yıldız Technical University, Turkey, July 2019
- Marine Geology, SCI Journal, May 2019
- WATER RESOURCES RESEARCH, SCI Journal, May 2019
- MARINE GEOLOGY, SCI Journal, August 2018
- INTERNATIONAL JOURNAL OF SEDIMENT RESEARCH, SCI Journal, June 2018
- CONTINENTAL SHELF RESEARCH, SCI Journal, April 2018
- MARINE GEOLOGY, SCI Journal, January 2018
- CONTINENTAL SHELF RESEARCH, SCI Journal, December 2017
- Journal of Eta Maritime Science, National Scientific Refreed Journal, July 2017
- MARINE GEOLOGY, SCI Journal, January 2017
- ENVIRONMENTAL FLUID MECHANICS, SCI Journal, June 2016
- ADVANCES IN CIVIL ENGINEERING, Journal Indexed in SCI-E, March 2016
- CONTINENTAL SHELF RESEARCH, SCI Journal, November 2015
- Archives of Agronomy and Soil Science, SCI Journal, October 2015
- GEO-MARINE LETTERS, SCI Journal, August 2015
- JOURNAL OF WATERWAY PORT COASTAL AND OCEAN ENGINEERING-ASCE, SCI Journal, July 2014
- MEASUREMENT, SCI Journal, June 2014

Edit Congress and Symposium Activities

36th International Conference on Coastal Engineering, Attendee, Maryland, United States Of America, 2018
35th International Conference on Coastal Engineering, Attendee, Antalya, Turkey, 2016
26th International Ocean and Polar Engineering Conference, Attendee, Rodos, Greece, 2016
EsCoSed workshop - The influence of muds and cohesive sediments on tidal and non-tidal estuaries, Attendee, Ancona, Italy, 2015
Coastal Sediments 2015, Attendee, California, United States Of America, 2015
8. Kıyı Mühendisliği Sempozyumu, Attendee, İstanbul, Turkey, 2014
European Geosciences Union General Assembly, EGU 2014, Attendee, Vienna, Austria, 2014
American Geophysical Union (AGU) 2014 Ocean Sciences Meeting, Attendee, Hawaii, United States Of America, 2014
8th Symposium on River, Coastal and Estuarine Morphodynamics, RCEM 2013, Attendee, Santander, Spain, 2013
American Geophysical Union (AGU) 2010 Fall Meeting, Attendee, California, United States Of America, 2012
American Geophysical Union (AGU) 2012 Ocean Sciences Meeting, Attendee, Utah, United States Of America, 2012
Coastal Sediments 2011, Attendee, Florida, United States Of America, 2011
American Geophysical Union (AGU) 2010 Ocean Sciences Meeting, Attendee, Oregon, United States Of America, 2010
8th International Conference on the Mediterranean Coastal Environment (MEDCOAST), Attendee, Al-Iskandariyah, Egypt, 2007
6. Ulusal Kıyı Mühendisliği Sempozyumu, Attendee, İzmir, Turkey, 2007

Citations

Total Citations (WOS):101
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Scholarships

Yurtdışı doktora bursu, YOK, 2008 - 2012