

## Asst. Prof. Serdar Turgut İNCE

### Personal Information

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### International Researcher IDs

ScholarID: d030vFUAAAAJ

ORCID: 0000-0002-7292-8292

Publons / Web Of Science ResearcherID: AAK-3447-2020

ScopusID: 56589681700

Yoksis Researcher ID: 142979

### Education Information

Doctorate, Pusan National University, Naval Architecture and Ocean Engineering, South Korea 2012 - 2016

Postgraduate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, Turkey 2010 - 2012

Undergraduate, Yildiz Technical University, Naval Architecture And Maritime Faculty, Department Of Naval Architecture And Marine Engineering, Turkey 2005 - 2010

### Foreign Languages

English, C1 Advanced

### Research Areas

Naval Architecture and Marine Engineering, Ship Construction, Engineering and Technology

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Strength of carbon fiber/epoxy in sea water**  
YÜNCÜOĞLU E. U., İNCE S. T., BAĞCI E.  
MATERIALS TESTING, vol.63, no.9, pp.811-815, 2021 (SCI-Expanded)
- II. **Computational models for the structural crashworthiness analysis of a fixed-type offshore platform in collisions with an offshore supply vessel**  
Mujeeb-Ahmed M., İNCE S. T., Paik J. K.  
Thin-Walled Structures, vol.154, 2020 (SCI-Expanded)
- III. **An advanced technology for structural crashworthiness analysis of a ship colliding with an ice-ridge: Numerical modelling and experiments**  
İNCE S. T., KUMAR A., PARK D. K., PAIK J. K.  
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING, vol.110, pp.112-122, 2017 (SCI-Expanded)
- IV. **A new constitutive equation on ice materials**  
Ince S. T., KUMAR A., PAIK J. K.

SHIPS AND OFFSHORE STRUCTURES, vol.12, no.5, pp.610-623, 2017 (SCI-Expanded)

- V. **Environmental consequences associated with collisions involving double hull oil tanker**  
KIM Y. S., YOUSSEF S., Ince S. T., KIM S. J., SEO J. K., KIM B. J., HA Y. C., PAIK J. K.  
SHIPS AND OFFSHORE STRUCTURES, vol.10, no.5, pp.479-487, 2015 (SCI-Expanded)
- VI. **QUANTITATIVE RISK ASSESSMENT FOR COLLISIONS INVOLVING DOUBLE HULL OIL TANKERS**  
YOUSSEF S. A. M., Ince S. T., KIM Y. S., Paik J. K., CHANG F., KIM M. S.  
INTERNATIONAL JOURNAL OF MARITIME ENGINEERING, vol.156, pp.157-174, 2014 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Experimental Evaluation of Strength Properties of Fiber/Epoxy Laminated Composites in the Light of Different Parameters**  
Yüncüoğlu E. U., İnce S. T.  
Firat Üniversitesi Mühendislik Bilimleri Dergisi, vol.33, no.1, pp.243-249, 2021 (Peer-Reviewed Journal)
- II. **A Bulk Carrier Hatch Block Analysis with Finite Element Method**  
İnce S. T., Demir Ö., Bayraktar S., Yılmaz T.  
Annual Scientific Journal of Ovidius University, vol.10, no.1, pp.1-7, 2010 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Mitigating wave impacts on an oscillating water column by investigating the effect of artificial vegetation**  
Gedikli E. D., Korkmaz F. C., İnce S. T.  
76th Annual Meeting of the Division of Fluid Dynamics, Washington, United States Of America, 19 - 21 November 2023, pp.1-2
- II. **Assessment of Wave Impact on Model Wave Energy Converter**  
Korkmaz F. C., İnce S. T., Gedikli E. D.  
4th International Naval Architecture and Maritime Symposium (Int-Nam 2023), İstanbul, Turkey, 11 - 13 October 2023, pp.1-4
- III. **An Innovative Method for Measuring Strength of Material by Light Transmittance**  
İnce S. T.  
II. International Conference on Innovative Engineering Applications, Muş, Turkey, 20 - 22 May 2021, pp.311-314
- IV. **Computational Modelling Techniques for the Structural Crashworthiness Analysis of Offshore Platforms in Collisions with OSV**  
Ahmed M. M., İnce S. T., Paik J. K.  
International Symposium on Plasticity and Impact Mechanics IMPLAST 2019, Busan, South Korea, 29 September - 03 October 2019, pp.1-20
- V. **Wind Energy in the World and Recent Developments in Performance Analysis of Wind Turbines**  
Yılmaz O., Oğuş M. Ü., Bayar H., Ince S. T.  
4th Conference on Advances in Mechanical Engineering Istanbul 2018, İstanbul, Turkey, 19 - 21 December 2018, pp.769-787
- VI. **A Study on FLNG and Iceberg Collision Modelling**  
İNCE S. T., Kumar A., Paik J. K.  
International Symposium on Naval Architecture And Maritime, İstanbul, Turkey, 24 - 25 April 2018
- VII. **A Study on Ice-Structure Interaction Modelling for Collision Assessment of Marine Structures and Ice-Ridges**  
İNCE S. T., Kumar A., Paik J. K.  
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, İstanbul, Turkey, 19 December 2017, pp.842-851

- VIII. **Toward a New Procedure for the Quantitative Risk Assessment of Double Hull Oil Tankers in Collisions**  
 Youssef S. A., İnce S. T., Kim Y. S., Faisal M., Seo J. K., Paik J. K.  
 The 5th World Maritime Technology Conference (WMTC), Rhode-Island, United States Of America, 03 November 2015, pp.1-10
- IX. **A New Procedure for the Accidental Limit State Design of Tanker Collisions**  
 İNCE S. T., Youssef S. A., Kim Y. S., Paik J. K.  
 2th International Symposium of Naval Architecture and Maritime, İstanbul, Turkey, 23 October 2014, pp.1-15
- X. **A Comparative Study for Tanker Collision in Terms of Some Optimization Techniques**  
 İNCE S. T., Youssef S. A., Kim Y. S., Paik J. K.  
 7th International Conference on Thin-Walled Structures (ICTWS), Busan, South Korea, 28 September 2014, pp.1-10
- XI. **Potential Loss of Property Evaluation for Suezmax-class Double-hull Oil Tanker Involved in Ship-ship Collision**  
 Youssef S. A., İNCE S. T., Kim Y. S., Paik J. K.  
 7th International Conference on Thin-Walled Structures (ICTWS), Busan, South Korea, 28 September 2014, pp.1-10
- XII. **Nonlinear Structural Consequence Analysis of Aged Double Hull Oil Tankers involved in Ship-ship Collision**  
 Youssef S. A., İNCE S. T., Kim Y. S., Paik J. K.  
 7th International Conference on Thin-Walled Structures (ICTWS), Busan, South Korea, 28 September 2014, pp.1-10
- XIII. **EXPERIMENTAL INVESTIGATION OF ICE BEHAVIOR IN COMPRESSION AND BENDING**  
 Jeong B. G., İNCE S. T., Paik J. K.  
 7th International Conference on Thin-Walled Structures (ICTWS), Busan, South Korea, 28 September 2014, pp.1-6
- XIV. **Accidental Limit State Design of? Tanker Against Collision?**  
 Kim Y. S., Youssef S. A., İNCE S. T., Seo J. K., Kim B. J., Paik J. K.  
 The Korea Ship and Offshore Structures Congress (KSSC), Busan, South Korea, 19 August 2014, pp.1
- XV. **Structural Response Characteristics of Ships Involved in Collision Accident**  
 Ince S., Youssef S., Kim Y., Seo J., Kim B., Paik J.  
 International Conference on Computer Applications in Shipbuilding, Busan, South Korea, 24 September 2013, vol.1, pp.1-9
- XVI. **Comparison of Marine and Land Transportation Emissions: Turkey Study**  
 Çoşgun T., Kökkülünk G., Yurtseven A., İnce S. T., Kalyoncu İ., Çelebi U. B.  
 The 1st International Symposium on Naval Arch. and Maritime, İstanbul, Turkey, 24 - 25 October 2011, pp.137-146
- XVII. **A Bulk Carrier Hatch Block Analysis With Finite Element Method**  
 İNCE S. T., DEMİR Ö., BAYRAKTAR S., YILMAZ T.  
 7th International Scientific Conference on Naval and Mechanical Engineering (TEHNONAV 2010), Constanta, Romania, 20 - 22 May 2010, pp.1

## Supported Projects

İNCE S. T., YÜNCÜOĞLU E. U., BAĞCI E., Project Supported by Higher Education Institutions, Deniz Ortamının Kompozit Malzemelere Etkisi, 2020 - 2021

## Patent

İnce S. T., A test method for instantaneous measurement of stress on transparent and translucent structures, Patent, CHAPTER B Implementation of Operations; Transport, The Invention Registration Number: TR 2020 19596 B , Standard

Registration, 2023

## Activities in Scientific Journals

Seatific Journal , Editor, 2023 - Continues

Journal of Advanced Marine Engineering and Technology, Editor, 2023 - Continues

SHIPS AND OFFSHORE STRUCTURES, Editor, 2019 - Continues

## Scientific Refereeing

SHIPS AND OFFSHORE STRUCTURES, Journal Indexed in SCI-E, November 2023

MARINE SCIENCE AND TECHNOLOGY BULLETIN, National Scientific Refreed Journal, September 2023

JOURNAL OF ETA MARITIME SCIENCE, Journal Indexed in ESCI, March 2023

Gemi ve Deniz Teknolojisi, National Scientific Refreed Journal, January 2023

Seatific Journal , National Scientific Refreed Journal, January 2023

Horizon Europe Project, Horizon Europe Project, Yildiz Technical University, Turkey, May 2022

JOURNAL OF MARINE SCIENCE AND TECHNOLOGY, Journal Indexed in SCI-E, April 2022

OCEAN ENGINEERING, Journal Indexed in SCI-E, January 2022

SHOCK AND VIBRATION, Journal Indexed in SCI-E, October 2020

OCEAN ENGINEERING, Journal Indexed in SCI-E, June 2018

Journal of Glaciology, SCI Journal, September 2017

Ships and Offshore Structures, SCI Journal, September 2016

Ships and Offshore Structures, SCI Journal, July 2015

Ships and Offshore Structures, SCI Journal, June 2015

Ships and Offshore Structures, SCI Journal, May 2015

## Metrics

Publication: 25

Citation (WoS): 85

Citation (Scopus): 127

H-Index (WoS): 5

H-Index (Scopus): 5

## Scholarships

Brain Korea, Official Institutions of Foreign Countries, 2012 - 2016

## Awards

İnce S. T., W H C Nicholas Prize, The Royal Institution Of Naval Architects - Rina (Uk), April 2015

## Non Academic Experience

Pusan National University