

ABET Curriculum Vitae of:

Ahmad Reshad NOORI

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Çukurova University	2019
M.Sc.	Civil Engineering	Çukurova University	2013
B.Sc.	Civil Engineering	Çukurova University	2011
B.Sc.	Environmental Engineering	Çukurova University	2011
Bachelor	Business administration	Anadolu University	2019

Academic Rank: Assistant Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Assistant Professor

Title:

Dates: 18.11.2019 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: Gür Construction Company

Title: Civil Engineer

Brief Description of Position:

Dates: 2012-2019

Full Time or Part Time: Full time

Certifications or Professional Registrations:

Membership in Professional Organizations:

Honors and Awards:

Finalist for “ECCOMAS AWARD FOR THE BEST Ph.D. THESES OF 2019 ON COMPUTATIONAL METHODS IN APPLIED SCIENCES AND ENGINEERING”

Service Activities:

Principal Publications and Presentations of the Last Five Years:

NOORI AHMAD RESHAD, ASLAN TIMUÇIN ALP, TEMEL BEYTULLAH (2021). Dynamic Analysis of Functionally Graded Porous Beams Using Complementary Functions Method in the Laplace Domain. *Composite Structures*, 256, 113094, DOI: 10.1016/j.compstruct.2020.113094.

HASIBULLAH RASOOLI, **NOORI AHMAD RESHAD**, TEMEL BEYTULLAH (2021). On the static analysis of laminated composite frames having variable cross section. *Journal of the Brazilian Society of Mechanical Sciences and Engineering*, 43, 258, DOI: 10.1007/s40430-021-02973-y

NOORI AHMAD RESHAD, TEMEL BEYTULLAH (2021). A powerful numerical approach for the axisymmetric bending response of shear deformable two-directional functionally graded (2D-FG) plates with variable thickness. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, 235 (22), 6370-6387, DOI: 10.1177/09544062211010837.

TEMEL BEYTULLAH, **NOORI AHMAD RESHAD** (2020). A unified solution for the vibration analysis of two-directional functionally graded axisymmetric Mindlin–Reissner plates with variable thickness. *International Journal of Mechanical Sciences*, 174, 105471, DOI: 10.1016/j.ijmecsci.2020.105471.

TEMEL BEYTULLAH, **NOORI AHMAD RESHAD** (2019). Transient analysis of laminated composite parabolic arches of uniform thickness. *Mechanics Based Design of Structures and Machines*, 47(5), 546-554., DOI: 10.1080/15397734.2019.1572518.

TEMEL BEYTULLAH, **NOORI AHMAD RESHAD** (2019). Out-of-plane vibrations of shear-deformable AFG cycloidal beams with variable cross section. *Applied Acoustics*, 155, 84-96., DOI: 10.1016/j.apacoust.2019.05.010.

NOORI AHMAD RESHAD, TEMEL BEYTULLAH (2018). On the vibration analysis of laminated composite parabolic arches with variable cross-section of various ply stacking sequences. *Mechanics of Advanced Materials and Structures*, DOI: 10.1080/15376494.2018.1524949.

NOORI AHMAD RESHAD, ASLAN TIMUÇIN ALP, TEMEL BEYTULLAH (2018). An efficient approach for in-plane free and forced vibrations of axially functionally graded parabolic arches with nonuniform cross section. *Composite Structures*, 200, 701 - 710, DOI: 10.1016/j.compstruct.2018.05.077.

ASLAN TIMUÇIN ALP, **NOORI AHMAD RESHAD**, TEMEL BEYTULLAH (2018).
Dynamic response of viscoelastic tapered cycloidal rods. Mechanics Research
Communications, 92, 8-14., DOI: 10.1016/j.mechrescom.2018.06.006.

NOORI AHMAD RESHAD, ASLAN TIMUÇIN ALP, TEMEL BEYTULLAH (2018).
Damped transient response of in-plane and out-of-plane loaded stepped curved rods. Journal of
the Brazilian Society of Mechanical Sciences and Engineering, 40(1), DOI: 10.1007/s40430-
017-0949- 8.

(title, co-authors if any, where published or presented, date of publication or presentation)

Most Recent Professional Development Activities:

- 21st Century Skills Training
- Personal Data Protection Law Training (Awareness Training)
- Efficient Online Training Tips Mailing

ABET Curriculum Vitae of:

Mustafa KARASAHİN

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Nottingham University	1993
M.Sc.	Civil Engineering	Istanbul Technical University	1988
B.Sc.	Civil Engineering	Akdeniz University	1985

Academic Rank: Professor

Academic Experience:

Institution: Istanbul Gelişim University

Title: Professor

Dates: 11.09.2017 – present

Full Time or Part Time: Full-Time

Institution: Istanbul University

Title: Professor

Dates: 2010-2017

Full Time or Part Time: Full-Time

Institution: Suleyman Demirel University

Title: Research Assistant, Assist.Prof., Assoc.Prof., Professor

Dates: 1992-2010

Full Time or Part Time: Full-Time

Institution: Akdeniz University

Title: Research Assistant

Dates: 1986-1992

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: Ministry of Transport

Title: Consultant

Brief Description of Position: Railway projects

Dates: 2005-2012

Full Time or Part Time: Part-time

Non-Academic Experience:

Company or Entity: Turkish State Railways (TCDD)

Title: Consultant

Brief Description of Position: High Speed Rail Projects

Dates: 2009-2015

Full Time or Part Time: Part-time

Non-Academic Experience:

Company or Entity: The Scientific and Technological Research Council of Turkey (TUBITAK)

Title: Member of Engineering Research Group

Brief Description of Position: Project evaluation

Dates: 2009-2012

Full Time or Part Time: Part-time

Non-Academic Experience:

Company or Entity: The Ministry of Labor and Social Security

Title: Head and Member of Transportation, Logistics and Communication Sector

Brief Description of Position: Occupational Standards

Dates: 2009-2021

Full Time or Part Time: Part-time

Membership in Professional Organizations: Chamber of Civil Engineering, Turkish National Road Committee

Honors and Awards:

Best paper awards: Turkish National Road Committee (2000-2016)

Honorary Doctorate: Todor Kableshkov Transport University-Bulgaria (2007)

Principal Publications and Presentations of the Last Five Years:

YILDIRIM M.S., **KARAŞAHİN, M.**, GÖKKUŞ, M (2021). Scheduling of the Shuttle Freight Train Services for Dry Ports Using Multimethod Simulation-Optimization Approach. *International Journal of Civil Engineering*, Vol:19, Number: 1, pp: 67-83. DOI: 10.1007/s40999-020-00553-0(0123456789().,-volIV)K (0123456789()).

KARAŞAHİN, M., KIZILTAŞ M.Ç. (2021). Development Period of Autonomous Vehicles and Their Impact on Traffic. *Düzce Üniversitesi Bilim ve Teknoloji Dergisi*, Vol:9, Number: 4, pp: 1376-1381. 6370-6387, DOI: 10.29130/dubited.908525. (In Turkish)

TACİROĞLU, M.V., **KARAŞAHİN, M.**, TIGDEMİR, M., IŞIKER, H. (2020). Fractal analysis of high speed rail geometry data: A case studyof Ankara-Eskişehir high speed rail, *Measurement*, Vol:165, Number:108120, pp:1-15, DOI: 10.1016/j.measurement.2020.108120

BAYRAK, M.Ç., TIGDEMİR, M., **KARAŞAHİN, M.**, ÇAKMAK, O. (2020). Determination of Ballast Fouling with Ground Penetration Radar. *Mühendislik Bilimleri ve Tasarım Dergisi*, Vol: 8, Number: 2, pp: 572-581, DOI: 10.21923/jesd.695507 (In Turkish)

KARAŞAHİN, M., KESKİN, M.E., ŞAHİNOĞLU, İ. (2019). Effect of Lime on Unconfined Compressive Strength of a Low Plasticity Clayey Soil, *Eurasian Journal of Civil Engineering and Architecture*, Vol:3, Number: 2, pp: 32-40.

KARAŞAHİN, M. (2019). An Anisotropic Model for Unbound Granular Materials under Repeated Loading, *Thermal Science*, Vol: 23, Number: 1, pp: 295-302. DOI: 10.2298/TSCI181021043K

KIRBAŞ, U., **KARAŞAHİN, M.** (2019). Determination of Pavement Performance Thresholds for Comfortable Riding on Urban Roads, *Journal of Testing and Evaluation*, Vol:47, Number: 1, pp: 57-77, DOI: 10.1520/JTE20170319.

KIRBAŞ, U., **KARAŞAHİN, M.** (2018). Comparison of Speed Control Bumps and Humps according to Whole-Body Vibration Exposure, *Journal of Transportation Engineering, Part A: Systems*, Vol:144, Number: 9, pp: 4018054/1-4018054/9, DOI: 10.1061/JTEPBS.0000177.

KIRBAŞ, U., **KARAŞAHİN, M.** (2018). A Method to Determine the Pavement Performance of Urban Roads, *Teknik Dergi*, Vol: 29, Number: 3, pp: 8459-8466, DOI: 10.18400/tekderg.373899

ERKAN, I. TIGDEMİR, M., **KARAŞAHİN, M.** (2017). Analysis of Design and Capacity by Arranging the Functions in Small Scaled Airport Terminal Building, *Russian Journal of Building Construction and Architecture*, Vol: 4, Number:36, pp: 7-36.

ABET Curriculum Vitae of:

Nuri KURUOĞLU

Degree	Discipline	Institution	Year
Ph.D.	Mathematics	Fırat University	2019
M.Sc.	Mathematics	Fırat University	2013
Bachelor	Mathematics	Ege University	1972

Academic Rank: Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Professor

Title:

Dates: 2015 – present

Full Time or Part Time: Full-Time

Institution: Bahçeşehir University

Rank: Professor

Title:

Dates: 2004 – 2015

Full Time or Part Time: Full-Time

Institution: 19 Mayıs University

Rank: Professor

Title:

Dates: 1993 – 2004

Full Time or Part Time: Full-Time

Institution: 19 Mayıs University

Rank: Assoc. Professor

Title:

Dates: 1987 – 1993

Full Time or Part Time: Full-Time

Institution: 19 Mayıs University

Rank: Assoc. Professor

Title:

Dates: 1986 – 1987

Full Time or Part Time: Full-Time

Institution: İnönü University

Rank: Assistant Professor

Title:

Dates: 1982 – 1986

Full Time or Part Time: Full-Time

Principal Publications and Presentations of the Last Five Years:

M. AVEY, N. FANTUZZI, A.H. SOFIYEV, N. KURUOGLU (2022). Influences of elastic foundations on the nonlinear free vibration of composite shells containing carbon nanotubes within shear deformation theory, *Composite Structures* 286, 115288

A.H. SOFIYEV, N. KURUOGLU (2022). Buckling analysis of shear deformable composite conical shells reinforced by CNTs subjected to combined loading on the two-parameter elastic foundation, *Defence Technology* 18 (2), 205-218

M. AVEY, A.H. SOFIYEV, N. KURUOGLU (2022). Influences of elastic foundations and thermal environments on the thermoelastic buckling of nanocomposite truncated conical shells, *Acta Mechanica*, 1-16

A. MAHMURE, A.H. SOFIYEV, N. FANTUZZI, N. KURUOGLU (2021). Primary resonance of double-curved nanocomposite shells using nonlinear theory and multi-scales method: Modeling and analytical solution, *International Journal of Non-Linear Mechanics* 137, 103816

A.H. SOFIYEV, M. AVEY, N. KURUOGLU (2021). An approach to the solution of nonlinear forced vibration problem of structural systems reinforced with advanced materials in the presence of viscous damping, *Mechanical Systems and Signal Processing* 161, 107991

M. AVEY, N. FANTUZZI, A.H. SOFIYEV, N. KURUOGLU (2021). Nonlinear vibration of multilayer shell-type structural elements with double curvature consisting of CNT patterned layers within different theories, *Composite Structures* 275, 114401

A.H. SOFIYEV, F. TURAN, N. KURUOGLU (2021). Influences of material gradient and nonlinearity on the forced vibration of orthotropic shell structures, *Composite Structures* 271, 114157

A. MAHMURE, F. TORNABENE, R. DIMITRI, N. KURUOGLU (2021). Free vibration of thin-walled composite shell structures reinforced with uniform and linear carbon nanotubes: Effect of the elastic foundation and nonlinearity, *Nanomaterials* 11 (8), 2090

M. AVEY, A.H. SOFIYEV, N. FANTUZZI, N. KURUOGLU (2021). Primary resonance of double-curved nanocomposite systems using improved nonlinear theory and multi-scales method: Modeling and analytical solution, *Int. J. Nonlin. Mech* 137, 103816

A. DENIZ, N. FANTUZZI, A.H. SOFIYEV, N. KURUOGLU (2021). Modeling and solution of large amplitude vibration problem of construction elements made of nanocomposites using shear deformation theory, *Materials* 14 (14), 3843

A.H. SOFIYEV, I.T. PIRMAMEDOV, N. KURUOGLU (2020). Influence of elastic foundations and carbon nanotube reinforcement on the hydrostatic buckling pressure of truncated conical shells, *Applied Mathematics and Mechanics* 41 (7), 1011-1026

M.J.S. BELAGHI, N. KURUOĞLU (2020). Addition Theorem For Exton's q-Exponential Functions, *Journal of Computational Analysis & Applications* 28 (3), 419

A.H. SOFIYEV, F. TORNABENE, R. DIMITRI, N. KURUOGLU (2020). Buckling behavior of FG-CNT reinforced composite conical shells subjected to a combined loading, *Nanomaterials* 10 (3), 419

ABET Curriculum Vitae of:

ANIL NİŞ

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Bogazici University	2017
M.Sc.	Civil Engineering	Bogazici University	2011
B.Sc.	Civil Engineering	Pamukkale University	2008

Academic Rank: Associate Professor

Academic Experience:

Institution: Istanbul Gelisim University

Rank: Associate Professor

Title:

Dates: 16.09.2017 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: Orient Research

Title: Civil Engineer

Brief Description of Position: Project Engineer- The structural design of reinforced concrete and steel structures, and retrofit of the existing factory buildings.

Dates: 2013-2015

Full Time or Part Time: Full time

Certifications or Professional Registrations:

Membership in Professional Organizations:

TMMOB Chamber of Civil Engineering

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

1. Aljabani Maysam, ÇEVİK ABDULKADİR, NİŞ ANIL, BAKBAK DERYA, Kadhim Sarah (2022). Residual mechanical performance of lightweight fiber-reinforced geopolymer mortar composites incorporating expanded clay after elevated temperatures. *Journal of Composite Materials*, 56(11), 1737-1752., Doi: 10.1177/00219983221088902 (Yayın No: 7673884)
2. KURANLI ÖMER FARUK, UYSAL MÜCTEBA, Abbas Mele Tidjani, ÇOŞGUN TURGAY, NİŞ ANIL, AYGÖRMEZ YURDAKUL, CANPOLAT ORHAN, AL-MASHHADANI MUKHALLADM OHAMMAD MAWLOD (2022). Evaluation of slag/fly ash based geopolymer concrete with steel, polypropylene and polyamide fibers. *Construction and Building Materials*, 325(126747), Doi: 10.1016/j.conbuildmat.2022.126747 (Yayın No: 7623108)
3. Kadhim Sarah, ÇEVİK ABDULKADİR, NİŞ ANIL, BAKBAK DERYA, Aljabani Maysam (2022). Mechanical behavior of fiber reinforced slag-based geopolymer mortars incorporating artificial lightweight aggregate exposed to elevated temperatures. *Construction and Building Materials*, 315(125766), 1-11., Doi: 10.1016/j.conbuildmat.2021.125766 (Yayın No: 7525531)
4. EREN NECİP ALTAY, Alzeebaree Radhwan, ÇEVİK ABDULKADİR, NİŞ ANIL, Mohammedameen Alaa, GÜLŞAN MEHMET EREN (2021). Fresh and hardened state performance of self-compacting slag based alkali activated concrete using nanosilica and steel fiber. *Journal of Composite Materials*, 55(28), 4125-4139., Doi: 10.1177/00219983211032390 (Yayın No: 7273237)
5. NİŞ ANIL, EREN NECİP ALTAY, ÇEVİK ABDULKADİR (2021). Effects of Nanosilica and Steel Fibers on the Impact Resistance of Slag based Self-Compacting Alkali-Activated Concrete. *Ceramics International*, 47(17), 23905-23918., Doi: 10.1016/j.ceramint.2021.05.099 (Yayın No: 7075772)
6. Alzeebaree Radhwan, Mawlod Arass Omer, Mohammedameen Alaa, NİŞ ANIL (2021). Using of recycled clay brick/fine soil to produce sodium hydroxide alkali activated mortars. *Advances in Structural Engineering*, 24(13), 2996-3009., Doi: 10.1177/13694332211015742 (Yayın No: 7068876)
7. EREN NECİP ALTAY, Alzeebaree Radhwan, ÇEVİK ABDULKADİR, NİŞ ANIL, Mohammedameen Alaa, GÜLŞAN MEHMET EREN (2021). The Effects of Recycled Tire Rubbers and Steel Fibers on the Performance of Self-compacting Alkali Activated Concrete. *Periodica Polytechnica Civil Engineering*, 65(3), 890-900., Doi: 10.3311/PPci.17601 (Yayın No: 7093064)
8. NİŞ ANIL, ALTINDAL İLHAN (2021). Compressive Strength Performance of Alkali Activated Concretes under Different Curing Conditions. *Periodica Polytechnica Civil Engineering*, 65(2), 556-565., Doi: 10.3311/PPci.17016 (Yayın No: 7007010)
9. ÖZYURT ZİHNİOĞLU NİLÜFER, SÖYLEV TAYFUN ALTUĞ, ÖZTURAN TURAN, PEHLİVAN AHMET ONUR, NİŞ ANIL (2020). Corrosion and Chloride Diffusivity of Reinforced Concrete Cracked under Sustained Flexure. *TEKNİK DERGI*, 31(6), 10315-10337., Doi: 10.18400/tekderg.430536 (Yayın No: 6667191)

10. NİŞ ANIL, ÖZYURT ZİHNİOĞLU NİLÜFER, ÖZTURAN TURAN (2020). Variation of Flexural Performance Parameters Depending on Specimen Size and Fiber Properties. *Journal of Materials in Civil Engineering*, 32(4), Doi: 10.1061/(ASCE)MT.1943-5533.0003105 (Yayın No: 6112898)
11. Alzebaree Radhwan, ÇEVİK ABDULKADİR, Mohammedameen Alaa, NİŞ ANIL, GÜLŞAN MEHMET EREN (2020). Mechanical performance of FRP-confined geopolymer concrete under seawater attack. *Advances in Structural Engineering*, 23(6), 1055-1073., Doi: 10.1177/1369433219886964 (Yayın No: 6200548)
12. Mohammedameen Alaa, ÇEVİK ABDULKADİR, Alzebaree Radhwan, NİŞ ANIL, GÜLŞAN MEHMET EREN (2019). Performance of FRP confined and unconfined engineered cementitious composite exposed to seawater. *Journal of Composite Materials*, 53, 4285-4304., Doi: 10.1177/0021998319857110 (Yayın No: 5303731)
13. NİŞ ANIL (2019). Compressive strength variation of alkali activated fly ash/slag concrete with different NaOH concentrations and sodium silicate to sodium hydroxide ratios. *Journal of Sustainable Construction Materials and Technologies*, 4(2), 351-360., Doi: 10.29187/jscmt.2019.39 (Yayın No: 5431905)
14. NİŞ ANIL, BİLENLER ALTUNDAL MELİS (2019). Mechanical Strength Degradation of Slag and Fly Ash Based Geopolymer Specimens exposed to Sulfuric Acid Attack. *SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ*, 37(3), 917-926. (Yayın No: 5431693)
15. ÇEVİK ABDULKADİR, Alzebaree Radhwan, humur ghassan, NİŞ ANIL, GÜLŞAN MEHMET EREN (2019). Corrigendum to “Effect of nano-silica on the chemical durability and mechanical performance of fly ash based geopolymer concrete” [*Ceram. Int.* 44 (2018) 12253-12264]. *Ceramics International*, 45(11), 14479-14479., Doi: 10.1016/j.ceramint.2019.04.128 (Yayın No: 7062213)
16. NİŞ ANIL (2019). The compressive strength development of alkali activated fly ash/slag concretes with different alkali activator ratios. *INTERNATIONAL JOURNAL OF ENGINEERING TECHNOLOGIES*, 5(2), 84-89. (Yayın No: 5113032)
17. GÜLŞAN MEHMET EREN, Alzebaree Radhwan, Ayad Ali Rasheed, NİŞ ANIL, KURTOĞLU AHMET EMİN (2019). Development of fly ash/slag based self-compacting geopolymer concrete using nano-silica and steel fiber. *Construction and Building Materials*, 211, 271-283., Doi: 10.1016/j.conbuildmat.2019.03.228 (Yayın No: 5065520)
18. Mohammedameen Alaa, GÜLŞAN MEHMET EREN, Alzebaree Radhwan, ÇEVİK ABDULKADİR, NİŞ ANIL (2019). Mechanical and durability performance of FRP confined and unconfined strain hardening cementitious composites exposed to sulfate attack. *Construction and Building Materials*, 207, 158-173., Doi: 10.1016/j.conbuildmat.2019.02.108 (Yayın No: 5079680)
19. Alzebaree Radhwan, GÜLŞAN MEHMET EREN, NİŞ ANIL, Mohammedameen Alaa, ÇEVİK ABDULKADİR (2018). Performance of FRP confined and unconfined geopolymer concrete exposed to sulfate attacks. *Steel and Composite Structures*, 29(2), 201-218., Doi: 10.12989/scs.2018.29.2.201 (Yayın No: 4456304)
20. ÇEVİK ABDULKADİR, Alzebaree Radhwan, humur ghassan, NİŞ ANIL, GÜLŞAN MEHMET EREN (2018). Effect of nano-silica on the chemical durability and mechanical performance of fly ash based geopolymer concrete. *Ceramics International*, 44(11), 12253-12264., Doi: 10.1016/j.ceramint.2018.04.009 (Yayın No: 4296878)

21. KURTOĞLU AHMET EMİN, Alzeebaree Radhwan, Aljumaili OMAR, NİŞ ANIL, GÜLŞAN MEHMET EREN, humur ghassan, ÇEVİK ABDULKADİR (2018). Mechanical and durability properties of fly ash and slag based geopolymer concrete. ADVANCES IN CONCRETE CONSTRUCTION, 6(4), 345-362., Doi: 10.12989/acc.2018.6.4.345 (Yayın No: 4345225)
22. GÜLŞAN MEHMET EREN, Mohammedameen Alaa, ŞAHMARAN MUSTAFA, NİŞ ANIL, Alzeebaree Radhwan, ÇEVİK ABDULKADİR (2018). Effects of sulphuric acid on mechanical and durability properties of ECC confined by FRP fabrics. ADVANCES IN CONCRETE CONSTRUCTION, 6(2), 199-220., Doi: 10.12989/acc.2018.6.2.199 (Yayın No: 4295335)
23. NİŞ ANIL (2018). Mechanical Properties of Steel Fiber Reinforced Self-Compacting Concrete. International Journal of Engineering Technologies, 4(1), 33-40., Doi: 10.19072/ijet.340259 (Yayın No: 4324743)

(title, co-authors if any, where published or presented, date of publication or presentation)

Most Recent Professional Development Activities:

-SPSS Education

ABET Curriculum Vitae of:
Suleiman KHATRUSH

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Surrey University (UK)	1987
M. Eng.	Civil Engineering	Sheffield University (UK)	1982
B.Sc.	Civil Engineering	Garyounis University (Libya)	1978

Academic Rank: Associate Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Associate Professor

Title:

Dates: 24.09.2018 – present

Full Time or Part Time: Full-Time

Institution: University of Benghazi

Rank: Associate Professor

Title: Dean

Dates: 2009-2014

Full Time or Part Time: Full-Time

Institution: University of Benghazi

Rank: Assistant professor

Title: Head of CE department

Dates: 1991-2009

Full Time or Part Time: Full-Time

Institution: University of Benghazi

Rank: Lecturer

Title: Staff member

Dates: 1988-1991

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: Free zone authority project - Misrata harbor (Libya)

Title: Consultant

Brief Description of Position: Reviewing and approving remedy work

Dates: 2016 -2018

Full Time or Part Time: part time

Company or Entity: Al-Mukhtar tower project (Libya)

Title: Consultant

Brief Description of Position: Member of supervision committee

Dates: 2012- 2014

Full Time or Part Time: part time

Company or Entity: LTC consultancy (Libya),

Title: Consultant

Brief Description of Position: Head of geotechnical Division

Dates: 2006- 2011

Full Time or Part Time: part time

Company or Entity: National precast building company. (Libya)

Title: Consultant

Brief Description of Position: Site investigation works

Dates: 1993 -1998

Full Time or Part Time: part time

Company or Entity: Al-Bunyan Engineering consultancy (Libya)

Title: Managing Director

Brief Description of Position: Geotechnical consultancy

Dates: 1992- 2006

Full Time or Part Time: full time

Company or Entity: Great man made river water utilization authority. (Libya)

Title: Consultant

Brief Description of Position: Reviewing design works

Dates: 1991- 1993

Full Time or Part Time: part time

Certifications or Professional Registrations:

Membership in Professional Organizations:

- a. Founding Member; Libyan Geotechnical Engineering Society
- b. Member of Libyan engineers syndicate

Honors and Awards:

- a. - Sabbatical leave, University of Cardiff, U K, 2010

Service Activities:

Principal Publications and Presentations of the Last Five Years:

KHATRUSH SULEIMAN (2021). Strength and Dilation Behavior of a Reconstituted Sand-Shell Mixture. European Journal of Science and Technology, Doi: 10.31590/ejosat.1011158 (Kontrol No: 7578751)

KHATRUSH SULEIMAN, GHASSAN ELGEHANI (2021). Laboratory Evaluation of Undrained Shear Strength of a Soft Fine Grained Soils. INTERNATIONAL JOURNAL of ENGINEERING TECHNOLOGIES-IJET, 7(3) (Kontrol No: 7578740)

ISSA MOHAMMED, KHATRUSH SULEIMAN (2019). Static seismic analysis for structures in Libya using Equivalent Lateral Force (ELF) in (IBC-2009). International Conference on Technical Sciences (ICST2019) (Tam Metin Bildiri/Sözlü Sunum)(Yayın No:6033209)

ISSA MOHAMMED, KHATRUSH SULEIMAN (2018). Seismic response of reinforced concrete buildings as predicated by the draft of Libyan standard (DSLS-1977) and (IBC-2009). The First Conference for Engineering Sciences and Technology (/Sözlü Sunum)(Yayın No:6020368)

Most Recent Professional Development Activities:

ABET Curriculum Vitae of:
Yasin PAŞA, Assist. Prof. Dr.

Degree	Discipline	Institution	Year
Ph. D.	Civil Engineering	Istanbul Technical University	2018
M. Sc.	Civil Engineering	Istanbul Technical University	2012
B. Sc.	Civil Engineering	Birjand University – Birjand , Iran	2005

Academic Rank: Assistant Professor

Academic Experience

- a. **Institution:** Istanbul Technical University
Rank: Project Assistant
Title: TÜBİTAK Project
Dates: 01.11.2012 – 01.11.2015
Full Time or Part Time: Full-Time
- b. **Institution:** Istanbul Gelişim University
Rank: Assistant Professor
Dates: 21.01.2019 – present
Full Time or Part Time: Full-Time

Non-Academic Experience:

- a. **ADL OMRAN Co.** 2001-2003
- b. **IWPCO (Iran Water & Power Resources Development Company),** 2005-2007
- c. **İO Environmental Solutions Research and Development Co.,** 2018-2019

Certificates or Professional Records:

- a. MIKE by DHI (MIKE 11, MIKE 21 ve MIKE FLOOD)
- b. Occupational Health and Safety Training Certificate

Principal Publications and Presentations of the Last Five Years:

PAŞA, Y., Özger, M., Altunkaynak, A. 2018. **Long-term Macro-scale Assessment of Wave Power of Black Sea by an Optimized Numerical Model.** Iran J Sci Technol Trans Civ Eng, v 42, pp 391-414 DOI: 10.1007/s40996-018-0108-1

PAŞA, Y., Özger, M., Altunkaynak, A. 2018. **Optimized Numerical Model Based Assessment of Wave Power Potential of Marmara.** *Journal of Ocean University of China.* 2019 v 18 (2) pp 293-304, DOI: 10.1007/s11802-019-3826-5

Mahnamfar, F., Altunkaynak, A., PAŞA, Y. 2019. **Comparison of Experimental and Numerical Model Results of Oscillating Water Column System under Regular Wave Conditions.** Iran J Sci Technol Trans Civ Eng, v 43, pp 1-17 DOI: 10.1007/s40996-019-00259-x

PAŞA, Y., 2020. Application of a numerical model for wave parameter hindcasting in Marmara Sea Basin. BAUN Fen Bil. Enst. Dergisi, 22(2), 567-580, (2020). DOI:10.25092/baunfbed.742276

Mahnamfar, F., **PAŞA, Y., Ağırlioğlu, N., 2020. Flood risk analysis of residential areas at downstream side of Elmali dam.** Academic Platform Journal of Natural Hazards and Disaster Management 1(1), 49-58, 2020

PAŞA, Y. and Önöz, B. (2013). Seasonality Analysis Of Upper KARUN Basin(IRAN). 6th International Perspective on Water Resources & The Environment (IPWE), January 7-9, 2013, (ASCE-EWRI) Izmir.Turkey

Özger, M., PAŞA, Y. and Singh, Vijay P., (2013). Scaling Properties of Euphrates and Tigris Basin Daily Streamflow Data. 6th International Perspective on Water Resources & The Environment (IPWE), January 7-9, 2013, (ASCE-EWRI) Izmir.Turkey.

Nazemosadat, S. M. J., **PAŞA, Y.,** Ghaedamini, H., Tavakoli, M., (2013). **Investigating the Climate Change Diagnostics over the North Western parts of the Indian Ocean: the SST Analysis for the Period 1950-2009.** Accepted abstract in 6th International Perspective on Water Resources & The Environment (IPWE), January 7-9, 2013, (ASCE-EWRI) Izmir.Turkey.

Nazemosadat, S.M. J., Ravan, V. Kahya, , E., **PAŞA, Y. ,** Mahnamfar, F. (2012). **Application of The General Circulation Model ECHAM5 For The Estimation of The Projected Temperature Over The Central Southern Parts of IRAN For The Period 2011-2040.** July 8 – 12, 2012 Global Conference on Global Warming (GCGW-2012) İstanbul,Turkey

PAŞA, Y., Erdik, T., Özger, M., Altunkaynak, A., (2014). Application of MIKE 21 SW for wave hindcasting in Marmara Sea Basin for the year 2012. 11th International Congress on Advances in Civil Engineering- ACE 2014

PAŞA, Y., Özger, M., Erdik, T., Altunkaynak, A., (2017). Application of Numerical Model For Wave Parameter Hindcasting in MARMARA SEA Basin. 2nd International Science Symposium - ISS2017, 5-8 September 2017 (Özet).

Ağırlioğlu, N., Altunkaynak, A., Özger, M., **PAŞA, Y., (2017). Coastal Protection of Historical Structures: Dardanel Seddülbahir Fort Case Study.** 6th International Symposium on Conservation and Consolidation of Historical Structures, 2-4 November 2017, Trabzon

Assefa Nigusse, T., Altunkaynak, A., Mahnamfar, F. and **PAŞA, Y., (2018). Modelling Flooding Hazard Unver Urbanization in Ayamama Watershed, Istanbul. (ISHAD 2018).**

ABET Curriculum Vitae of:

Mukhallad Mohammad Mawlood AL-MASHHADANI

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Yildiz Technical University	2018
M.Tec.	Structural Engineering	JN Technological University	2013
B.Sc.	Civil Engineering	AL-MUSTANSIRIYAH University	2009

Academic Rank: Assistant Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Assistant Professor

Title:

Dates: 01.02.2019 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: AL-MABROOK Construction Company

Title: Civil Engineer/Site Manager

Brief Description of Position:

Dates: 2009-2011

Full Time or Part Time: Full time

Certifications or Professional Registrations:

Membership in Professional Organizations:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

KURANLI ÖMER FARUK, UYSAL MÜCTEBA, Abbas Mele Tidjani, ÇOSGUN TURGAY, NIS ANIL, AYGÖRMEZ YURDAKUL, CANPOLAT ORHAN, **AL MASHHADANI MUKHALLAD MOHAMMAD MAWLOD** (2022). Evaluation of slag/fly ash based geopolymer concrete with steel, polypropylene and polyamide fibers. *Construction and Building Materials*, 325(126747), Doi: 10.1016/j.conbuildmat.2022.126747

LAKEW ASFAW MEKONNEN, **AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD**, CANPOLAT ORHAN (2022). Strength and abrasion performance of recycled aggregate based geopolymer concrete. *Sigma Journal of Engineering and Natural Sciences* \u2013 Sigma Mühendislik ve Fen Bilimleri Dergisi, 40(1), 155-161., Doi: 10.14744/sigma.2021.00021

Kuranlı Ömer Faruk, UYSAL MÜCTEBA, Abbas, Mele Tidjani, ÇOSGUN TURGAY, NIS ANIL, AYGÖRMEZ YURDAKUL, CANPOLAT ORHAN, **AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD** (2022). Mechanical and durability properties of steel, polypropylene and polyamide fiber reinforced slag-based alkali-activated concrete. *EUROPEAN JOURNAL OF ENVIRONMENTAL AND CIVIL ENGINEERING*, Doi: 10.1080/19648189.2022.2031302

MOHAMED Abdelaziz Y. CANPOLAT ORHAN, **AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD** (2021). Elasto-Plastic Fiber Reinforced Geopolymer Concrete Containing Recycled Aggregate: Assessment of Strength and Abrasion Resistance. *Environmental Research and Technology*, 4(3), 244-248., Doi: 10.35208/ert.938010

AYGÖRMEZ YURDAKUL, CANPOLAT ORHAN, **AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD** (2020). A survey on one year strength performance of reinforced geopolymer composites. *CONSTRUCTION AND BUILDING MATERIALS*, 264, Doi: 10.1016/j.conbuildmat.2020.120267

AYGÖRMEZ YURDAKUL, CANPOLAT ORHAN, **AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD** (2020). Assessment of geopolymer composites durability at one year age. *Journal of Building Engineering*, 32(null), Doi: 10.1016/j.job.2020.101453

AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD, CANPOLAT ORHAN (2020). Effect of various NaOH molarities and various filling materials on the behavior of fly ash based geopolymer composites. *CONSTRUCTION AND BUILDING MATERIALS*, 262, Doi: 10.1016/j.conbuildmat.2020.120560

AYGÖRMEZ YURDAKUL, CANPOLAT ORHAN, **AL-MASHHADANI MUKHALLAD MOHAMMED MAWLOD** (2020). Assessment of geopolymer composites durability at one year age. *Journal of Building Engineering*, 32(101453), Doi: 10.1016/j.job.2020.101453

AYGÖRMEZ YURDAKUL, **AL-MASHHADANI MUKHALLAD MOHAMMED MAWLOD**, CANPOLAT ORHAN (2020). High-temperature effects on white cement-based slurry infiltrated fiber concrete with metakaolin and fly ash additive. *REVISTA DE LA CONSTRUCCION*, 19(2), 324-333., Doi:10.7764/RDLC.19.2.324

Nawar Ali, CANPOLAT ORHAN, AYGÖRMEZ YURDAKUL, **AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD** (2020). Evaluation of the 12-24 mm basalt fibers and boron waste on reinforced metakaolin-based geopolymer. *CONSTRUCTION AND BUILDING MATERIALS*, 251, Doi: 10.1016/j.conbuildmat.2020.118976

Nawar Ali, CANPOLAT ORHAN, AYGÖRMEZ YURDAKUL, **AL-MASHHADANI MUKHALLAD MOHAMMED MAWLOD** (2020). Evaluation of the 12–24 mm basalt fibers and boron waste on reinforced metakaolin-based geopolymer. CONSTRUCTION AND BUILDING MATERIALS, 251(118976), Doi: 10.1016/j.conbuildmat.2020.118976

AYGÖRMEZ YURDAKUL, CANPOLAT ORHAN, **AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD**, UYSAL MÜCTEBA (2020). Elevated temperature, freezing-thawing and wetting-drying effects on polypropylene fiber reinforced metakaolin based geopolymer composites. CONSTRUCTION AND BUILDING MATERIALS, 235(null), Doi: 10.1016/j.conbuildmat.2019.117502

Nawar Ali,CANPOLAT ORHAN,**AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD**,AYGÖRMEZ YURDAKUL,Uysal Mucteba (2019). Effect of Using Colemanite and Basalt Fiber on the Mechanical Properties of Metakaolin-Based Geopolymer Mortars. Journal of Sustainable Construction Materials and Technologies

AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD, CANPOLAT ORHAN, KARAGÖZ MUSTAFA, AYGÖRMEZ YURDAKUL,Uysal Mucteba (2019). Abrasion Resistance and Strength Properties of Non-Fibrous and Steel Fiber Reinforced Mortars With Different Aggregates. Journal of Sustainable Construction Materials and Technologies

Arslan Ahmet Ali,Uysal Mucteba,Yilmaz Ann,**AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD**,Canpolat Orhan,Sahin Furkan,Aygormez Yurdakul (2019). Influence of wetting-drying curing system on the performance of fiber reinforced metakaolin-based geopolymer composites. CONSTRUCTION AND BUILDING MATERIALS, 225(null), 909-926., Doi: 10.1016/j.conbuildmat.2019.07.2353

Mushurov Mikhail,CANPOLAT ORHAN,Uysal Mucteba,**AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD**,AYGÖRMEZ YURDAKUL (2019). Investigation of Waste Products of Boron and Metakaolin Utilizes. Journal of Sustainable Construction Materials and Technologies

ARSLAN AHMET ALI, UYSAL MÜCTEBA, YILMAZ ARIN, **AL-MASHHADANI MUKHALLAD MOHAMMED MAWLOD**, CANPOLAT ORHAN, SAHIN FURKAN, AYGÖRMEZ YURDAKUL (2019). Influence of wetting-drying curing system on the performance of fiber reinforced metakaolin-based geopolymer composites. Construction and Building Materials, 225, 909-926., Doi: 10.1016/j.conbuildmat.2019.07.235

Celik Abdullah,Yilmaz Kemalettin,CANPOLAT ORHAN,**AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD**,Aygormez Yurdakul,Uysal Mucteba (2018). High-temperature behavior and mechanical characteristics of boron waste additive metakaolin based geopolymer composites reinforced with synthetic fibers. CONSTRUCTION AND BUILDING MATERIALS, 187(null), 1190-1203., Doi: 10.1016/j.conbuildmat.2018.08.062

Uysal Mucteba,**AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD**,Aygormez Yurdakul,CANPOLAT ORHAN (2018). Effect of using colemanite waste and silica fume as partial replacement on the performance of metakaolin-based geopolymer mortars. CONSTRUCTION AND BUILDING MATERIALS, 176(null), 271-282., Doi: 10.1016/j.conbuildmat.2018.05.034

KARAGÖZ MUSTAFA, CANPOLAT ORHAN, **AL-MASHHADANI MUKHALLAD MOHAMMED MAWLOD**, AYGÖRMEZ YURDAKUL, UYSAL MÜCTEBA (2018). Abrasion Resistance and Strength Properties of Non-Fibrous and Steel Fiber Reinforced Mortars With Different Aggregates. Journal of Sustainable Construction Materials and Technologies, 3(2), 221-229., Doi: 10.29187/jscmt.2018.23

AL-MASHHADANI MUKHALLAD MOHAMMAD MAWLOD, CANPOLAT ORHAN, Aygormez Yurdakul, Uysal Mucteba, Erdem Savas (2018). Mechanical and microstructural characterization of fiber reinforced fly ash based geopolymer composites. CONSTRUCTION AND BUILDING MATERIALS, 167, 505- 513., Doi: 10.1016/j.conbuildmat.2018.02.061

ABET Curriculum Vitae of:

Mustafa Noori BALOV

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering- Hydraulics	Istanbul Technical University	2019
M.Sc.	Civil Engineering- Hydraulics	Istanbul Technical University	2014
B.Sc.	Water Engineering	Razi University	2005

Academic Rank: Assistant Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Assistant Professor

Title:

Dates: 25.08.2019 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: Peymab Construction Company

Title: Engineer

Brief Description of Position:

Dates: 2008-2011

Full Time or Part Time: Full time

Certifications or Professional Registrations:

Membership in Professional Organizations:

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

Ağırlioğlu, N., **Nuri Balov, M.**, Altunkaynak, A. and Özger, M. (2015) Su Yapılarında Balık Elekleri Tasarımı. 4. Su Yapıları Sempozyumu- Antalya-Türkiye.

NURI BALOV, M., and ALTUNKAYNAK, A. (2017) The Impacts of Climate Change on Extreme Precipitation Events in Karadeniz Ereğli Station (TURKEY). 8th Atmospheric Sciences Symposium - 01-04 November 2017 – Istanbul - Turkey.

NURI BALOV, M., and ALTUNKAYNAK, A. (2018) Frequency Analyses of Extreme Precipitation Events in Western Black Sea Basin (Turkey) based on Climate Change Projections. Journal of Meteorological Application. DOI: 10.1002/MET.1776.

NURI BALOV, M., and ALTUNKAYNAK, A. (2019) Trend Analyses on extreme precipitation indices based on downscaled outputs of global circulation models in Western Black Sea Basin , Turkey. Iranian journal of science and technology transactions of civil engineering. DOI: 10.1007/s40996-019-00237-3.

NURI BALOV, M., and ALTUNKAYNAK, A. (2019) The impacts of climate change on the runoff volume of Melen and Munzur Rivers in Turkey based on calibration of WASMOD model with multiobjective genetic algorithm. Meteorology and Atmospheric Physics. DOI: 10.1007/s00703-019-00676-7.

NURI BALOV, M., and ALTUNKAYNAK, A. (2019) A comparative study on the different rainfall-runoff models 1st Congress on Iranian Irrigation and Drainage, November 2019, Urmia, IRAN

NURI BALOV, M., and ALTUNKAYNAK, A. (2020) Spatio-temporal evaluation of various global circulation models in term of projection of different meteorological drought indices. Environmental Earth Sciences 76(6):126. DOI: 10.1007/s12665-020-8881-0

NURI BALOV, M., (2021) Influence of climate change on the flood disasters in Bursa, Turkey. International Journal of Science and Technology (IJET). 6(4), 62-68, <https://doi.org/10.19072/ijet.809818>

(title, co-authors if any, where published or presented, date of publication or presentation)

Most Recent Professional Development Activities:

- 21st Century Skills Training
- Personal Data Protection Law Training (Awareness Training)
- Efficient Online Training Tips Mailing

ABET Curriculum Vitae of:

Sajedeh Norozpour

Degree	Discipline	Institution	Year
BSc	Mathematics	Guilan Universitesi	2011
MSc	Mathematics	Guilan Universitesi	2013
PhD	Mathematics and Computer Sciences	Dogu Akdeniz Universitesi	2018

Academic Rank: Assistant Professor

Academic Experience:

- a.** Istanbul Gelisim University 2019
Assistant Professor, Department of Civil Engineering
- b.** Near East University of Cyprus 2018/2019
Assistant Professor, Department of Mathematics
- c.** University of City Island, Cyprus 2018/2019
Part time instructor, Department of Mathematics
- d.** Eastern Mediterranean University, Famagusta, North Cyprus 2014/2018
Teacher and research assistant, department of Mathematics
- e.** Guilan university, Rasht, Iran 2011/2013
Assistant and Master student, department of Mathematics
- f.** Behgozin Scientific education institute and High School, Rasht, Iran 2011/2012
Teacher of Mathematics
- g.** Farzanegan High School, Rasht, Iran 2011/2012
Teacher of Mathematics

Non-Academic Experience:

Roshd Guilan Fragir CO, Financial Manager 2010/2013

Certifications or professional registrations:

Current membership in professional organizations:

Honors and awards:

Service activities:

Publications:

- The existence of general solution of non-linear partial differential equation in general case in complex space, research journal of recent sciences, Vol. 3(5), 83-85, May (2014).
- Bashirov, Agamirza E., and Sajedah Norozpour. "On complex multiplicative integration." TWMS Journal of Applied and Engineering Mathematics 7.1 (2017): 82.
- Bashirov, Agamirza E., and Sajedah Norozpour. "On an alternative view to complex calculus." Mathematical Methods in the Applied Sciences 41.17 (2018): 7313-7324.
- ERGÜN, CEM, and Sajedah Norozpour. "Farsi document image recognition system using word layout signature." Turkish Journal of Electrical Engineering & Computer Sciences 27.2 (2019): 1477-1488.
- Norozpour, S., & Darbandi, M. (2020). Proposing New Method for Clustering and Optimizing Energy Consumption in WSN. Talent Development & Excellence, 12.
- Momenzadeh, M., & Norouzpoor, S. (2019). Study of new class of q-fractional derivative and its properties. arXiv preprint arXiv:1905.11115.
- Norozpour, S., & Safaei, M. (2020, December). An Overview on Game Theory and Its Application. In IOP Conference Series: Materials Science and Engineering (Vol. 993, No. 1, p. 012114). IOP Publishing.
- Safaei, M., & Norozpour, S. (2021). Foreigner identification number in Turkey: challenges, threats, opportunities and its role in organizational sustainability development. Psychology and Education Journal, 58(1), 3109-3120.
- Norozpour, S. (2021). On e-Learning Difficulties Worldwide Faced Throughout the COVID-19. NVEO-NATURAL VOLATILES & ESSENTIAL OILS Journal| NVEO, 9751-9760.
- Norozpour, S. (2021). On Comparison of Different Image Segmentation Techniques. Turkish Journal of Computer and Mathematics Education (TURCOMAT), 12(11), 4659-4663.
- Norozpour, S. N., Momenzadeh, M., & Abolhasani, A. (2021). Proposing new system for handling business data systems with more functionality and usability. Nexa Revista Científica, 34(02), 835-847.
- Momenzadeh, Mohammad, and Sajedah Norozpou. "Alternative fractional derivative operator on non-newtonian calculus and its approaches." Nexa Revista Científica 34.02 (2021): 906-915.
- Norozpour, S. (2021). Simulation of the Relation Between the Number of COVID-19 Death Cases as a Result of the Number of Handwashing Facilities by Using Artificial Intelligence. Artificial Intelligence for COVID-19, 1-10.

ABET Curriculum Vitae of:

MESUT BARIŞ

Degree	Discipline	Institution	Year
Ph.D.	Remote Sensing & GIS	Eskişehir Technical University	-
Ph.D.	Environmental Eng.	Anadolu University	2018
M.Sc.	Environmental Chemical Eng.	AmirKabir University	2012
B.Sc.	Chemical Eng.	Shiraz University	2011

Academic Rank: Assistant Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Assistant Professor

Title:

Dates: 18.08.2019 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: National Iranian Oil Co.

Title: Field Operation Engineer

Brief Description of Position: Natural Gas well operation

Dates: 6/2012-9/2012

Full Time or Part Time: Full time

Certifications or Professional Registrations:

Patent: A multilayer panel comprising biofilm to reduce evaporation in dams, ESKISEHIR TEKNİK UNIV [TR]; ISTANBUL GELISIM UNIV [TR]; ANADOLU UNIV [TR], WO2021133336A2·2021-07-01.

Membership in Professional Organizations:

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

Effect of light on growth of green microalgae *Scenedesmus quadricauda*: influence of light intensity, light wavelength and photoperiods, N Fettah, **M Derakhshandeh**, U Tezcan Un, L Mahmoudi, International Journal of Energy and Environmental Engineering, 1-10, 2022

Comprehensive review of transcriptomics (RNAs) workflows from blood specimens, AA Husseini, **M Derakhshandeh**, NB Tatlisu, Separation & Purification Reviews 51 (1), 57-77, 2022

Calibration of METRIC Modeling for Evapotranspiration Estimation Using Landsat 8 Imagery Data, **M Derakhshandeh**, M Tombul, Water Resources Management, 1-25, 2021

Renewable Bio-Oil from Pyrolysis of *Synechocystis* and *Scenedesmus* Wild-Type Microalgae Biomass, **M Derakhshandeh**, F Ateş, U Tezcan Un, BioEnergy Research 14 (3), 991-1001, 2021

Evaluation of wild-type microalgae species biomass as carbon dioxide sink and renewable energy resource, **M Derakhshandeh**, T Atici, U Tezcan Un, Waste and Biomass Valorization 12 (1), 105-121, 2021

Lipid extraction from microalgae *Chlorella* and *Synechocystis* sp. using glass microparticles as disruption enhancer, **M Derakhshandeh**, T Atici, UT Un, Energy & Environment 30 (8), 1341-1355, 2019

Optimization of microalgae *Scenedesmus* SP. growth rate using a central composite design statistical approach, **M Derakhshandeh**, UT Un, Biomass and Bioenergy 122, 211-220, 2019

(title, co-authors if any, where published or presented, date of publication or presentation)

Most Recent Professional Development Activities:

- 21st Century Skills Training

- Personal Data Protection Law Training (Awareness Training)

ABET Curriculum Vitae of:

Hasan Emre OKTAY

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Middle East Technical University	2020
M.Sc.	Civil Engineering	Middle East Technical University	2012
B.Sc.	Civil Engineering	Middle East Technical University	2007

Academic Rank: Assistant Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Assistant Professor

Title:

Dates: 2021 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: Ozka Construction Company

Title: Civil Engineer

Brief Description of Position:

Dates: 2008-2010

Full Time or Part Time: Full time

Certifications or Professional Registrations:

Membership in Professional Organizations:

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

Oktay H.E., Gürses E., Göktepe S. , "Çok Fazlı Malzemelerin Düzlemsel Arayüzlerle Homojenleştirilmesi: Kinematik Uyumlu Yaklaşım" ,21. Ulusal Mekanik Kongresi ,pp.427 - 433 ,Niğde, Turkey, September 2019

Oktay H.E., Göktepe S., Gürses E., "A Micromechanically Based Multi-scale Constitutive Model for Semicrystalline Polymers", Beyond 2019: Computational Science and Engineering Conference, Ankara, Turkey, September 2019

Oktay H.E., Göktepe S., Gürses E., "A Homogenization Approach for Multiphase Materials with Planar Interfaces", 6th International Conference on Material Modeling, Lund, Sweden, June 2019

Oktay H.E., Göktepe S., Gürses E., "Computation of Macroscopic Response of Multi-phase Materials with Planar Interfaces", 18th GAMM Seminar on Microstructures, Berlin, Germany, January 2019

Oktay H.E., Gürses E., Göktepe S. "Computation of Macroscopic Response of Multi-phase Materials with Planar Interfaces", Workshop on "Plasticity, Damage and Fracture of Engineering Materials, Ankara, Turkey, October 2018

Oktay H.E., Gürses E., Göktepe S., "Micromechanical Modeling of Highly Heterogeneous Deformation Fields in Spherulite Microstructures", EUROMECH Micromechanics of Defects in Crystalline Solids and Metals, Sevilla, Spain, June 2018

Oktay H.E., Gürses E., Göktepe S., "Micromechanically Motivated Modeling of Semicrystalline Polymers", XIV International Conference on Computational Plasticity COMPLAS 2017, Barcelona, Spain, September 2017

Most Recent Professional Development Activities:

- "Training of the e-lecturer" online training certificate in 2021

ABET Curriculum Vitae of:

Aylin Ece KAYABEKİR

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Istanbul University-Cerreahpasa	2021
M.Sc.	Civil Engineering	Istanbul University-Cerreahpasa	2018
Bachelor	Civil Engineering	Istanbul University-Cerreahpasa	2015

Academic Rank: Assistant Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Assistant Professor

Title:

Dates: 03.11.2021 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: -

Title: -

Brief Description of Position:

Dates: -

Full Time or Part Time: -

Certifications or Professional Registrations:

Membership in Professional Organizations:

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

International Journal Papers (SCI-SCI Expanded):

Bekdaş G, **Kayabekir AE**, Nigdeli SM, Toklu YC. Transfer Function Amplitude Minimization for Structures with Tuned Mass Dampers Considering Soil-Structure Interaction, Soil Dynamics and Earthquake Engineering, 2019; 116: 552-562.

Bekdaş G, **Kayabekir AE**, Nigdeli SM, Toklu YC. Advanced Energy Based Analyses of Trusses employing Hybrid Metaheuristics, The Structural Design of Tall and Special Buildings. 2019; 28(9):1-19, (e1609).

Kayabekir AE, Toklu YC, Bekdaş G, Nigdeli SM, Yücel M, Geem ZW. A Novel Hybrid Harmony Search Approach for Analysis of Plane Stress Systems via Total Potential Optimization, Applied Science, 2020; 10(7), 2301.

Kayabekir AE, Bekdaş G, Nigdeli SM, Geem ZW. Optimum Design of PID Controlled Active Tuned Mass Damper via Modified Harmony Search, Applied Science, 2020; 10(8), 2976.

Bekdaş G, Akbay Arama Z, **Kayabekir AE**, Geem ZW. Optimal Design of Cantilever Solider Pile Retaining Walls Embedded in Frictional Soils with Harmony Search Algorithm, Applied Science, 2020; 10(9), 3232.

Akbay Arama Z, **Kayabekir AE**, Bekdaş G, Geem ZW, CO2 and Cost Optimization of Reinforced Concrete Cantilever Soldier Piles: A Parametric Study with Harmony Search Algorithm Sustainability, 2020; 12 (15), 5906.

Kayabekir AE, Akbay Arama Z, Bekdaş G, Nigdeli, SM, Geem ZW Eco-Friendly Design of Reinforced Concrete Retaining Walls: Multi-objective Optimization with Harmony Search Applications, Sustainability, 2020; 12 (15), 6087.

Toklu YC, **Kayabekir AE**, Bekdaş G, Nigdeli SM, Yücel M. Analysis of Plane Stress Systems via Total Potential Optimization method considering non-linear behavior, Journal of Structural Engineering (ASCE), 2020, 146(11), 04020249.

Akbay Arama Z, **Kayabekir AE**, Bekdaş G, Kim S, Geem ZW, The Usage of the Harmony Search Algorithm for the Optimal Design Problem of Reinforced Concrete Retaining Walls, Applied Sciences, 2021; 11 (3), 1343.

Kayabekir AE. (2021). Effects of Constant Parameters on Optimum Design of Axially Symmetric Cylindrical Reinforced Concrete Walls. The Structural Design of Tall and Special Buildings, 30(6), e1838.

Yücel M, **Kayabekir AE**, Bekdaş G, Nigdeli SM, Kim S, Geem ZW, Adaptive-Hybrid Harmony Search Algorithm for Multi-Constrained Optimum Eco-Design of Reinforced Concrete Retaining Walls, Sustainability, 2021; 13 (4), 1639.

Toklu YC, Bekdaş G, Yucel M, Nigdeli SM, **Kayabekir AE**, Kim S, Geem ZW, Total Potential Optimization Using Metaheuristic Algorithms for Solving Nonlinear Plane Strain Systems, *Applied Sciences*, 2021; 11 (7), 3220.

Kayabekir AE, Bekdaş G, Akbay Arama Z. Effect of Application Factors on Optimum Design of Reinforced Concrete Retaining Systems, *Structural Engineering and Mechanics*, 2021: 80(2), 113-127.

Yücel M, Bekdaş G, Nigdeli SM, **Kayabekir AE**. An Artificial Intelligence Based Prediction Model for Optimum Design Variables of Reinforced Concrete Retaining Walls, *International Journal of Geomechanics (ASCE)*, 2021: 21(12), 04021244.

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Bekdaş G, Nigdeli SM, **Kayabekir AE**, Ulusoy S, Geem ZW Review of tuning mass dampers and application of improved harmony search, Metaheuristic for Structural Optimization, Ishan RK and Sadollah A (eds.). Springer, (Accepted, In Press)

Organized Special Sessions and Symposia:

Special Session: Optimization in Structural Mechanics via Metaheuristic Algorithms. Organizers: Gebrail Bekdas and **Aylin Ece Kayabekir**. In 9th GRACM 2018 International Congress on Computational Mechanics, 4-6 June 2018, Chania, Crete, Greece.

Organization Committee Member of 6th International Conference on Harmony Search, Soft Computing and Applications (ICHSA 2020), 16-17 July 2020, Istanbul, Turkey.

Patent/Faydalı Modeller:

No	Koruma tipi	Name	Application NUMBER	Application Status
1	Patent	Tehlike Kaynaklarını Tespit Etmek İçin Bir İnsansız Hava Aracı	2018/04479	Approved
2	Patent	Yola Gömülü Mayın ve Patlayıcı Tarayıcı Dizgesi – Zırhlı taşıta yüklü	2018/10426	Under review
3	Patent	Yapı Bilgi, Yapı Sağlığı İzleme ve Afet Yönetim Sistemi	2019/22440	Under review
4	Faydalı Model	Güvenlik sistemi için yönlendirilmiş enerji sistemi	2018/16484	Research stage

(title, co-authors if any, where published or presented, date of publication or presentation)

Most Recent Professional Development Activities:

ABET Curriculum Vitae of:

Yosra M.A TAMMAM

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Istanbul Cerrahpaşa University	2021
M.Sc.	Civil Engineering	Istanbul Technical University	2013
B.Sc.	Civil Engineering	An-Najah National University	2007

Academic Rank: Assistant Professor

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Assistant Professor

Title:

Dates: 28.12.2021 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Company or Entity: TİKA - Turkish Cooperation and Coordination Agency

Title: Civil Engineer

Brief Description of Position:

Dates: 2014-2016

Full Time or Part Time: Full time

Certifications or Professional Registrations:

Membership in Professional Organizations:

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

Tammam, Y., Uysal, M., & Canpolat, O. (2022). Durability properties of fly ash-based geopolymer mortars with different quarry waste fillers. *COMPUTERS AND CONCRETE*, 29(5).

Tammam, Y., Ziada, M., & Erdem, S. (2022). Research of Alternative Ecological Waste Materials Used in Geopolymers for Sustainable Built Environments. *Urban Sustainability and Energy Management of Cities for Improved Health and Well-Being*, 159-17

Ziada, M., **Tammam, Y.,** Erdem, S., & Lezcano, R. A. G. (2022). Investigation of the Mechanical, Microstructure and 3D Fractal Analysis of Nanocalcite-Modified Environmentally Friendly and Sustainable Cementitious Composites. *Buildings*, 12(1), 36.

Ziada, M., Erdem, S., **Tammam, Y.,** Kara, S., & Lezcano, R. A. G. (2021). The Effect of Basalt Fiber on Mechanical, Microstructural, and High-Temperature Properties of Fly Ash-Based and Basalt Powder Waste-Filled Sustainable Geopolymer Mortar. *Sustainability*, 13(22), 12610.

Tammam, Y., Uysal, M., & Canpolat, O. (2021). Effects of alternative ecological fillers on the mechanical, durability, and microstructure of fly ash-based geopolymer mortar. *European Journal of Environmental and Civil Engineering*, 1-24.y

Ziada, M., Tuhta, S., Gençbay, E. H., Günday, F., & **Tammam, Y.** (2019). Analysis of Tunnel Form Building Retrofitted with CFRP using Finite Element Method. *International Journal of Trend in Scientific Research and Development*, 3(2), 822-826.

Ziada, M., Tuhta, S., Gençbay, E. H., Günday, F., & **Tammam, Y.** (2019). Analysis of Tunnel Form Building Retrofitted with CFRP using Finite Element Method. *International Journal of Trend in Scientific Research and Development*, 3(2), 822-826.

(title, co-authors if any, where published or presented, date of publication or presentation)

Most Recent Professional Development Activities:

ABET Curriculum Vitae of:

Oğuzhan Murat HALAT

Degree	Discipline	Institution	Year
Ph.D.	Civil Engineering	Istanbul Technical University	-
M.Sc.	Civil Engineering	Yıldız Technical University	2020
B.Sc.	Civil Engineering	Yıldız Technical University	2017

Academic Rank: Research Assisstant

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Research Assisstant

Dates: 29.01.2018 – present

Full Time or Part Time: Full-Time

Certifications or Professional Registrations:

Membership in Professional Organizations:

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

HALAT OGUZHAN MURAT, CİRİTCİ İLKE, YÜCEL GÜL, (2021) Modeling of Urban Flooding and Waterfall Effect on Stepped Streets in Istanbul, Turkey. Eskişehir Technical University Journal of Science and Technology A-Applied Sciences and Engineering, 22, 148-159

NOBERI CANSU, SENTURK KENAN, **HALAT OGUZHAN MURAT**, KAYA ATAKAN, (2020). Thermal Energy Storage Technologies for Sustainability: Systems Design, Assessment and Applications (Book Review). Journal of Sustainable Economics and Management Studies, 1, 87-89

YUKSEL YALCIN, OZTURK MEHMET, SAHIN CIHAN, **HALAT OGUZHAN MURAT**, DOGAN UGUR, YUKSEL TUGCE, KAROVA CELALATTIN, (2018). Water Level Variatons in Turkish Seas, Coastal Engineering Symposium, Adana

ABET Curriculum Vitae of:
Muhammed Emre ULUSAN

Degree	Discipline	Institution	Year
M.Sc.	Civil Engineering	Yildiz Technical University	-
B.Sc.	Civil Engineering	Karadeniz Technical University	2018

Academic Rank: Research Assistant

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Research Assistant

Title:

Dates: 2021 – present

Full Time or Part Time: Full-Time

Non-Academic Experience:

Certifications or Professional Registrations:

Membership in Professional Organizations:

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

Ulusan M.E., Ari Güner H.A. and Yüksel Y., "Determination of the Wave Energy Potential of Marmara Sea", 11th International 100% Renewable Energy Conference, pp.31-38, 20-23 May, 2021.

Most Recent Professional Development Activities:

ABET Curriculum Vitae of:

Bilge Sultan DEMİRTAŞ

Degree	Discipline	Institution	Year
M.Sc.	Earthquake Engineering	Bogazici University	-
B.Sc.	Civil Engineering	Yıldız Technical University	2016

Academic Rank: Research Assistant

Academic Experience:

Institution: Istanbul Gelişim University

Rank: Research Assistant

Dates: 03.11.2021 – present

Full Time or Part Time: Full-Time

Certifications or Professional Registrations:

Membership in Professional Organizations:

Honors and Awards:

Service Activities:

Principal Publications and Presentations of the Last Five Years:

Most Recent Professional Development Activities: