

WARDA ASHRAF, Ph.D.

Department of Civil Engineering

Center for Advanced Construction Materials (CACM)

University of Texas at Arlington

Phone: +1 (765)-409-1219

E-mail: warda.ashraf@uta.edu

Profiles: [Google Scholar](#)

Website: <https://mentis.uta.edu/explore/profile/warda-ashraf>

❑ EMPLOYMENT

Assistant Professor (tenure-track, 2019 - present)

- Department of Civil Engineering, The University of Texas-Arlington, USA
- Center for Advanced Construction Materials (CACM), The University of Texas-Arlington, USA

Assistant Professor (tenure-track, 2017 - 2019)

- Department of Civil and Environmental Engineering, University of Maine, USA

Graduate Research and Teaching Assistant (2013 - 2017)

- Lyles School of Civil Engineering, Purdue University, USA

Assistant Professor (2012 - 2013)

- Department of Civil Engineering, Bangladesh University of Engineering & Technology (BUET)

Lecturer (2009 - 2012)

- Department of Civil Engineering, Bangladesh University of Engineering & Technology (BUET)

❑ EDUCATION

Purdue University, USA

Ph.D. in Civil Engineering (Materials Engineering), 2017

Dissertation: Reaction Kinetics, Microstructural Features and Mechanical Properties of CO₂ Activated Low-lime Calcium Silicate Binders

Bangladesh University of Engineering and Technology

M.Sc. in Civil Engineering (Structural Engineering), 2012

Dissertation: Concrete Mix Design Using Locally Available Materials

Bangladesh University of Engineering and Technology

B.Sc. in Civil Engineering (Structural Engineering), 2009

❑ AWARDS and HONORS

1. **Department of Defense Young Faculty Award**, Defense Advanced Research Projects Agency (DARPA), 2020
2. **STAR (Science and Technology Acquisition and Retention) award**, University of Texas, 2019
3. **ASCE ExCEED (Excellence in Civil Engineering Education) Teaching Fellow**, ASCE, 2019
4. **ASCE Young Professional Scholarship**, ASCE Structural Engineering Institute, 2019
5. **Purdue College of Engineering Outstanding Graduate Research Award** –the highest honor awarded to a graduate student, Purdue University, 2017
6. **Purdue Lyles Teaching Assistant Award** – Lyles School of Civil Engineering, Purdue University,

2017

7. **Nellie Munson Graduate Teaching Assistant Award** – top honor awarded to civil engineering teaching assistants, Purdue University, 2016
8. **William L. Dolch Scholarship** – Lyles School of Civil Engineering, Purdue University, 2014, 2016
9. **College of Engineering Travel Grant**, Purdue University, 2016
10. **NSF Travel Grant** – Multiscale Modeling and 3D Printing of Cement Workshop, USA, 2015
11. **Federal Highway Administration Travel Grant** – Committee of 5th International Symposium on Nanotechnology in Construction (NICOM5), USA, 2015
12. **Best Poster Award** - 4th International Conference on Durability of Concrete Structures (ICDCS), USA, 2014
13. **Malik Akram Gold Medal** – Department of Civil Engineering, BUET, 2011
14. **61 Club Gold Medal** – Department of Civil Engineering, BUET, 2011
15. **BUET Dean’s Award** in Civil Engineering, 2004-2009

❑ RESEARCH GRANTS

1. **Recreated Roman concrete (RRC) using Alkali-Activated Calcined Clay (2020 – 2022)**
 - Budget: \$495,465
 - PI: **Dr. Warda Ashraf**
 - Sponsor: Young Faculty Award. Defense Advanced Research Projects Agency (DARPA), Department of Defense
2. **Controlling the interaction between cementitious materials and carbon dioxide using biomimetic molecules (2020 – 2023)**
 - Budget: \$491,969
 - PI: **Dr. Warda Ashraf**, Co-PI: Dr. Frank Foss, Dr. Erika LaPlante
 - Sponsor: National Science Foundation (NSF)
3. **A Feasibility Study of Flexible Pavement Built with Modified Bitumen (bitumen mixed with recycled plastics) of a Plastic Road (2020 – 2022)**
 - Budget: \$342,588
 - PI: Dr. Md. Hossain, Co-PI: **Dr. Warda Ashraf**
 - Sponsor: Texas Department of Transportation (TxDOT)
4. **Value-added utilization of wood ash in construction materials (2018-2019)**
 - Budget: \$52,628
 - PI: **Dr. Warda Ashraf**, Co-PI: Dr. Eric Landis
 - Sponsor: Maine Technology Institute (MTI)
5. **Alternative Cementitious Materials (ACMs) for durable and sustainable transportation infrastructures (2019-2021)**
 - PI: **Dr. Warda Ashraf**
 - Budget: \$160,000

- Sponsor: Region I University Transportation Center (UTC)
6. **Defense Logistics Agency: Biomass to biofuel pilot plan (2018-2023)**
 - Budget: \$4,000,000
 - PI: Dr. Hemant Pendse, Co-PI: Dr. Clay Wheeler, Dr. Ivan Fernandez, Dr. William DeSisto, Dr. Thomas Schwartz, Dr. Peter van Walsum, **Dr. Warda Ashraf**
 - Sponsor: Defense Logistics Agency (DLA)
 7. **Carbonating subgrade materials for in situ soil stabilization (2018-2021)**
 - Budget: \$323,748
 - PI: Dr. Aaron Gallant, Co-PI: **Dr. Warda Ashraf**
 - Sponsor: Region I University Transportation Center (UTC)
 8. **Development of CO₂ activated low-lime calcium binder (2017-2019)**
 - Budget: \$287,963
 - PI: **Dr. Warda Ashraf**
 - Sponsor: University of Maine start-up package

❑ PUBLICATIONS

* students supervised

Journal Articles (published)

1. Kamasamudram K. S*, **Ashraf, W.** & Landis, E. N. 2020. "Cellulose Nanocomposites for Performance Enhancement of Ordinary Portland Cement-Based Materials", *Transportation Research Record, Nanotechnology Special Collection*, <https://doi.org/10.1177/0361198120945993>. In Press
2. Kolour, H. H.*, **Ashraf, W.** & Landis, E. N., 2020. "Hydration and Early Age Properties of Cement Pastes Modified with Cellulose Nanofibrils", *Transportation Research Record, Nanotechnology Special Collection*, <https://doi.org/10.1177/0361198120945993>.
3. Saladi, N.* & **Ashraf, W.** 2020. "Ground or sieved bio ash versus coal fly ash: A comparative analysis of pozzolanic reactivity." *ASCE Journal of Materials in Civil Engineering*, 32 (12).
4. Khan, R. I.* & **Ashraf, W.** 2019. "Effects of ground wollastonite on cement hydration kinetics and strength development", *Construction and Building Materials*, 218, 150–161.
5. **Ashraf, W.**, Olek, J., & Sahu, S. 2019. "Phase evolution and strength development during carbonation of low-lime calcium silicate cement (CSC)", *Construction and Building Materials*, 210, 473–482.
6. Verian, K. P., **Ashraf, W.**, and Cao, Y., 2018. "Properties of recycled concrete aggregate and their influences in new concrete production", *Resources, Conservation and Recycling*, 133, 30-49.
7. **Ashraf, W.**, & Olek, J. 2018. "Carbonation activated binders from pure calcium silicates: Reaction kinetics and performance controlling factors", *Cement and Concrete Composites*, 93, 85-98.
8. **Ashraf, W.** & Olek, J. 2018. "Elucidating the carbonation products of calcium silicates using multi-technique approach", *Journal of CO₂ Utilization*, 23, 61–74.

9. **Ashraf, W.**, Glinicki, M. & Olek, J. 2018. "Statistical analysis and probabilistic design approach for freeze-thaw performance of ordinary portland cement concrete", *ASCE Journal of Materials in Civil Engineering*, 30(11).
10. **Ashraf, W.** 2018. "Microstructure of chemically activated of gamma-dicalcium silicate paste", *Construction and Building Materials*, 185, 617 – 627.
11. **Ashraf, W.**, Olek, J., & Jain, J. 2017. "Microscopic features of carbonated calcium silicate paste and mortar", *Cement and Concrete Research*, 100, 361 – 372.
12. **Ashraf, W.**, Olek, J. & Tian, N. 2016. "Multiscale characterization of carbonated wollastonite paste and application of homogenization schemes to predict its bulk elastic modulus", *Cement & Concrete Composites*, 72, 284-298.
13. **Ashraf, W.** & Olek, J. 2016. "Carbonation behavior of hydraulic and non-hydraulic calcium silicates: Potential of utilizing low- lime calcium silicates in cement-based materials", *Journal of Materials Science*, 51(13), 6173 – 6191.
14. **Ashraf, W.** & Tian, N. 2016. "Nanoindentation assisted investigation on the viscoelastic behavior of carbonated cementitious matrix: Influence of loading function", *Construction & Building Materials*, 127, 904 – 917.
15. **Ashraf, W.** 2016. "Carbonation of cement-based materials: Challenges and opportunities", *Construction & Building Materials*, 120, 558 - 570.
16. **Ashraf, W.** & Noor, M.A. 2013. "Laboratory scale investigation on the band gradations of aggregate for concrete", *ASCE Journal of Materials in Civil Engineering*, 25(11), 1776–1782.
17. **Ashraf, W.** & Noor, M.A. 2012. "Effects of aggregate gradation on water permeability of concrete", *Advanced Materials Research*, 488-489, 248-252.
18. **Ashraf, W.** & Noor, M.A. 2011. "Concrete property analysis with the perspective of 5-10-14-18 and 5-10-18-22 band gradation", *Applied Mechanics & Materials*, 84–85, 101-105.
19. **Ashraf, W.** & Noor, M.A. 2011. "A parametric study for assessing the relationship of coarseness factor and workability factor on concrete compressive strength", *International Journal of Civil & Structural Engineering*, 1(4), 740-748.

Book Chapters and Technical Reports

1. **Ashraf, W.**, Olek, J., & Tian, N. 2015. "Nanomechanical characterization of the carbonated wollastonite system", In K. Sobolev and S. P. Shah (Eds.), *Nanotechnology in Construction*, Springer, USA, pp. 71–77, ISBN: 978-3-319-17087-6.
2. **Ashraf, W.**, Olek, J., & Atakan, V. 2015. "Chemo-mechanical comparison of the carbonation and hydration reaction products of synthetic tricalcium silicate (C₃S)", In A.M. Brandt, M.A. Glinicki, J. Olek and C.K.Y. Leung (Eds.), *Brittle Matrix Composites 11*, Institute of Fundamental Technological Research, Poland, pp.11-21, ISBN: 978-83-89687-96-8. [presented as **Keynote Lecture** in the 11th International Symposium on Brittle Matrix Composites]
3. Olek, J., Janusz, A., Jain, J., & **Ashraf, W.** 2013. "Investigation of anti-icing chemicals and their

interactions with pavement concretes”, Joint Transportation Research Program Technical Report No. FHWA/IN/JTRP-2013/24, Department of Transportation and Purdue University, West Lafayette, Indiana, USA.

Peer-Reviewed Conference Publications

1. Kamasamudram K. S*, **Ashraf, W.** & Landis, E. N. 2020. “Cellulose nanocomposites for performance enhancement of portland cement based materials”, 2nd International conference on nanotechnology of cement and concrete (2NCC20), Irvine, California, May 20-22, 2020.
2. Hossen, S. B.*, Gallant, A., and **Ashraf, W.** 2020. “Elemental testing of carbonate silty sand treated with lime.” Geotechnical Special Publication, Geo-Congress 2020, American Society of Civil Engineers (ASCE), Minneapolis, Minnesota.
<https://ascelibrary.org/doi/10.1061/9780784482780.055>
3. **Ashraf, W.**, Glinicki, M. A., Olek, J. 2018 “Probabilistic approach for composition selection of freeze-thaw resistant ordinary portland cement concrete, Proceedings of Transportation Research Board (TRB) 97th Annual Meeting, Washington, D.C., January 7-11, 2018.
<https://trid.trb.org/view/1494341>
4. **Ashraf, W.**, Olek, J., Jeong, H., & Atakan, V. 2016 “Effects of high temperature on carbonated calcium silicate cement (CSC) and ordinary portland cement (OPC) paste”, Proceedings of *5th International Conference on Durability of Concrete Structures (ICDCS)*, Shenzhen, China, June 30 – Jul 1, 2016. <https://docs.lib.purdue.edu/icdcs/2016/CARBONATION/2/>
5. **Ashraf, W.**, Olek, J., & Atakan, V. 2016 “Carbonation reaction kinetics, CO₂ sequestration capacity, and microstructure of hydraulic and non-hydraulic cementitious binders”, Proceedings of *4th international conference in Sustainable Construction Materials and Technologies (SCMT4)*, Las Vegas, Nevada, USA, August 7-11, 2016. <http://www.claisse.info/Proceedings.htm>
6. **Ashraf, W.**, Olek, J., & Atakan, V. 2015 “A comparative study on the reactivity of calcium silicates during hydration and carbonation reactions”, Proceedings of *14th International Congress on the Chemistry of Cement (ICCC 2015)*, Beijing, China, October 13-16, 2015.
7. Miller, A., Spragg, R., Antico, F., **Ashraf, W.**,, Weiss, W. J. 2014. “Determining the moisture content of pre-wetted lightweight aggregate: Assessing the variability of the paper towel and centrifuge methods”, Proceedings of *4th International Conference on Durability of Concrete Structures (ICDCS)*, Indiana, USA, July 23 - 26, 2014.
<https://docs.lib.purdue.edu/icdcs/2014/materialscharacterization/4/>
8. **Ashraf, W.** & Noor, M.A. 2011. “Contours in concrete mix design-a new approach”, Proceedings of *Concrete 2011 – 25th Biennial Conference of Concrete Institute of Australia*, Perth, Australia, October 12-14, 2011.
9. **Ashraf, W.** & Noor, M.A. 2011. “An experimental comparative study on the effects of cement types on concrete properties”, Proceedings of *31st Cement and Concrete Science Conference*, Imperial College London, London, United Kingdom, September 12-13, 2011.
10. **Ashraf, W.** & Noor, M.A. 2011. “Compatibility of 5-10-14-18 and 5-10-18-22 band gradations for

required concrete properties”, Proceedings of *Fib Symposium Prague 2011*, Prague, Czech Republic, June 8-10, 2011.

11. **Ashraf, W.** & Noor, M.A. 2011. “Performance-evaluation of concrete properties for different combined aggregate gradation approaches”, Proceedings of *12th East Asia-Pacific Conference on Structural Engineering & Construction (EASEC 12)*, Hong Kong SAR, China, January 26 – 28, 2011. <https://www.sciencedirect.com/science/article/pii/S187770581101407X>

Selected Conference Presentations

1. Khan, R* & Ashraf, W. 2018. “Effectiveness of biochemicals to control CaCO₃ crystallization in carbonation activated binder systems”, ACI Fall Convention, Cincinnati, OH, USA, October 19 – 23, 2018.
2. Sirisha, K*, **Ashraf, W.**, & Landis, E. 2018. “Development and Utilization of Silica-Cellulose nanocomposites for cement-based materials”, ACI Fall Convention, Las Vegas, USA, October 14 – 18, 2018.
3. Saladi, N.* & **Ashraf, W.** 2018. “Pozzolanic properties of woody bio-ash”, ACI Fall Convention, Las Vegas, USA, October 14 – 18, 2018.
4. Moradi, M., Ehmke, N.T., and **Ashraf, W.** 2018 “In-situ characterization of temperature-induced nano-structural changes of materials by nanoindentation”, Indentation 2018, Liege, Belgium, September 11-14, 2018.
5. **Ashraf, W.** & Olek, J. 2016. “A multi-scale overview of carbonation activated non-hydraulic calcium silicate binder”, *Anna Maria Workshop*, Florida, USA, November 16-18, 2016.
6. **Ashraf, W.** & Olek, J. 2016. “Understandings the performance controlling factors of the carbonate binders”, *7th Advances in Cement-based Materials Conference*, Evanston, Illinois, USA, July 10-13, 2016.
7. **Ashraf, W.**, Olek, J., Atakan, V., & Sahu, S. 2016. “Low-lime calcium silicate-based cement (CSC): Microscopic phase evolution, reaction kinetics, and strength”, *7th Advances in Cement-based Materials Conference*, Evanston, Illinois, USA, July 10-13, 2016.
8. **Ashraf, W.** & Olek, J. 2016. “Properties of carbonation activated calcium silicate systems”, *ACI 2016 Spring Convention*, Milwaukee, Wisconsin, USA, April 16-21, 2016.
9. **Ashraf, W.**, Olek, J., & Atakan, V. 2015. “Carbonation behavior of hydraulic and non-hydraulic calcium silicates: potential of utilizing low-lime calcium silicates in cement-based materials”, *ACI 2015 Fall Convention*, Denver, Colorado, USA, November 8-12, 2015.
10. **Ashraf, W.** & Olek, J. 2015. “Predicting macroscale elastic/viscoelastic properties of carbonated calcium silicate system from nanoindentation using Mori-Tanaka and self-consistent homogenization schemes”, *Multiscale Modeling and 3D Printing of Cement Workshop*, Nashville, Tennessee, USA, July 16-17, 2015.
11. **Ashraf, W.** & Olek, J. 2014. “Microstructural phase identification of calcium-silicate cement pastes using nanoindentation techniques”, *5th Conference on Advances in Cement-based Materials: Characterization, Processing, Modeling and Sensing*, Cookeville, Tennessee, USA, July 9-11, 2014.

12. **Ashraf, W.** and Olek, J. 2014. "Relative volumes of microstructural phases in heterogeneous system as determined by nanoindentation, X-ray elemental mapping and image analysis", *4th International Conference on Durability of Concrete Structures (ICDCS)*, West Lafayette, Indiana, USA, July 23 - 26, 2014. **[Best poster award]**
13. **Ashraf, W.**, Jeong, H., Olek, J. and Jain, J. 2014. "An experimental investigation of the selected properties of calcium silicate based carbonated concrete (CSCC) systems", *ACI Fall Convention 2014*, Washington, DC, USA, October 26 - 30, 2014.

Tutorial Sessions

1. **Ashraf, W.**, Olek, J., Jain, J., and Seth, A., 2017 "Low-lime calcium silicate cement: Reaction products and their properties", *8th Advances in Cement-based Materials*, June 26-28, 2017, Georgia Institute of Technology, Atlanta, Georgia

❑ DISSERTATION COMMITTEE CHAIR/ CO-CHAIR

1. Rakibul I. Khan (PhD, 2018 to present)
Topic: Microstructure and performance enhancement of carbonation activated binders
2. Muhammad Intesarul Haque (PhD, 2019 to present)
Topic: Nanoengineered concrete
3. Belal Hossen (PhD, 2018 to present).
Topic: Carbonation for in-situ soil stabilization.
Co-advised with Dr. Aaron Gallant
4. Rakibul I. Khan (MS, 2018 to 2019)
Topic: Utilization of low-lime calcium silicates in cement-based materials.
5. Naveen Saladi (MS, 2017 to 2019)
Topic: Value added utilization of by-products from biomass power plant in construction materials.
6. Kavya Shrisha (MS, 2017 to 2019).
Topic: Cellulose nanofibrils for performance enhancement of portland cement system.
Co-advised with Dr. Eric Landis

❑ DISSERTATION COMMITTEE MEMBER

1. Hosain Haddad Kolour (PhD, University of Maine, 2019)
Dissertation title: An Investigation on the Effects of Cellulose Nanofibrils on the Performance of Cement Based Composites
2. Ethar H Alyaseen (MS, University of Maine, 2017)
Dissertation title: Effects of The CNF on the Rheological Properties of the Cement Paste
3. Mohammed Ahmed (MS, University of Maine, 2017)
Dissertation title: Effect of CNF on Drying Shrinkage and Autogenous Shrinkage of Cement Paste
4. Parivash Takasi (MS, University of Maine, 2019)
Dissertation title: A Laboratory Investigation of Concretes with Cellulose Nanofibers
5. Ben Smith (MS, University of Maine, 2019)
Dissertation title: Development of a Hybrid Thermoplastic Composite and Concrete Deck System

6. Enrique Gonzalez (MS, University of Texas at Arlington, 2020, Chair: Dr. Nur Yazdani)
Dissertation title: Flexural Strength of Heat Treated Concrete Mixed with Recycled Glass Aggregate and Glass Pozzolan
7. Yash Hitendrakumar Patel (MS, University of Texas at Arlington, 2020, Chair: Dr. Raad Azzawi)
Dissertation title: Numerical Analysis of Concrete Breakout Strength of Anchors in Shear within Fiber Reinforced Concrete
8. Tanvir Imtiaz (PhD, University of Texas at Arlington, 2021, Chair: Dr. Md. Hossain)
Dissertation title: Reusing of Recycled Plastic as Pavement Base and Sub-base Materials
9. Tahsina Islam (PhD, University of Texas at Arlington, 2021, Dr. Md. Hossain)
Dissertation title: Reuse of Recycled Plastic for Plastic Road Design

□ TEACHING EXPERIENCE

University of Texas at Arlington, USA (Fall 2019 -present)

AREN 2311: Statics (Spring 2020)

Class size: 14 students, Average rating: 4.8 out of 5

Vector algebra; composition and resolution of forces; equivalence of force couple systems; equilibrium of force systems acting on particles, and force - couple systems acting on rigid bodies, and systems of rigid bodies; internal forces in rigid bodies; shear and moment diagrams; centroids and moments of inertia; frictional forces.

University of Maine, USA (Fall 2017 – Spring 2019)

CIE 498: Pavement Analysis and Design (Spring 2018, Spring 2019)

Class size: 28 students, Average rating: 4.6 out of 5.0

Specific course topics include pavement types; stress, strain, and deflection analysis of rigid and flexible pavements; traffic loading and volume calculation; materials (hot mix asphalt (HMA) and portland cement concrete (PCC)) characterization; rigid and flexible pavement design methods (AASHTO and others); pavement performance and management systems.

CIE 598: Advanced Cement-Based Materials (Fall 2017)

Class size: 5 students, Average rating: 5.0 out of 5.0

Graduate course (3.00 credit) focusing on the fundamental understanding of cement-based materials with respect to the practical field applications. Some of the specific topics in this course include cement manufacturing, hydration, shrinkage, supplementary cementitious materials (SCMs), types and applications of chemical admixtures, and special concrete.

CIE 110: Materials (Fall 2018)

Class size: 150 students (Freshman class), Average rating: 4.12 out of 5.0

Undergraduate course focusing on general information on materials. Specific course topics include mechanical properties, materials science, concrete mix design, microstructure, wood structure, phase diagram, asphalt, and steel.

Purdue University, USA (2013 - 2017)

Average teaching evaluation score: 4.7 out of 5, Received the **2017 Lyles Teaching Assistant Award** and the **2016 Nellie Munson Graduate Teaching Assistant Award** for excellence in teaching.

CE 231: Engineering Materials I (5 semesters)

Undergraduate course (3.00 credit) focusing on the nature and performance of materials under load, structure of materials; elastic, inelastic, and time-dependent behavior, influences of composition and processing upon material properties, Composite materials particulate systems, and phase diagram of materials.

CE 331: Engineering Materials II (1 semester)

Undergraduate course (3.00 credit) focusing on the behavior of particulate materials, soils, wood, aggregates, portland cement and portland cement concrete, asphalt and bituminous concrete, composite materials, fracture mechanics, and visco-elastic behaviors.

Bangladesh University of Engg. and Tech. (BUET) (2009 – 2012)

CE 425: Structure VI: Elements of Building Structure

Main instructor; undergraduate course (2.00 credit) covering the design of reinforced concrete columns, approximate analysis of multistoried buildings for gravity and lateral loads, preliminary design of arches; domes and shells, prestressed concrete introduction, analysis, and preliminary design of beam sections.

CE 323: Structure IV: Steel and Timber Structures

Main instructor; Undergraduate course (2.00 credit) focusing on the introduction to allowable stresses, different types of trusses. wind and static load analysis of trusses, design of truss sections, design of steel beams, columns.

Other Courses Instructed:

Design of Steel Structures (CE 417), Computer Aided Analysis and Design of Structures (CE 416), Structural Analysis and Design II (CE 412), Concrete Structural Sessional (CE 316), Structural Analysis and Design I (CE 312)

❑ PROFESSIONAL SERVICES

Committee Membership

1. Faculty hiring committee, Department of Civil and Environment Engineering, UMaine, (2018 – 2019)
2. Faculty hiring committee, Construction Engineering and Technology, UMaine, (2018 – 2019)
3. ASCE Transportation and Development Institute (TDI) Committee on Sustainability and Environment (2017 – present)
4. American Concrete Institute (ACI), Committees # 130, 236, 241 (2017 – present)

Grant Reviewer

- (i) Canada Foundation for Innovation (CFI)
- (ii) ACS Petroleum Research Fund
- (iii) University of Nebraska Collaboration Initiative Grants

(iv) ConTex Collaborative Research Grants

Journal Peer Reviewer

- (i) Applied Science, MDPI; AMS Materials Science
- (ii) Cement and Concrete Research, Elsevier
- (iii) Construction and Building Materials, Elsevier
- (iv) Journal of Environmental Management, Elsevier
- (v) Materials, MDPI; Polymer Degradation and Stability, Elsevier
- (vi) Journal of Thermal Analysis and Calorimetry, Springer
- (vii) Journal of Civil Engineering and Management, Taylor & Francis Online
- (viii) Journal of Risk and Uncertainty, Springer
- (ix) ACS Sustainable Chemistry & Engineering
- (x) ACS Omega
- (xi) Cement and Concrete Composites, Elsevier
- (xii) Journal of Building Engineering, Elsevier
- (xiii) Frontiers of Structural and Civil Engineering, Springer
- (xiv) ASCE Journal of Materials in Civil Engineering
- (xv) Chemical Engineering Journal, Elsevier
- (xvi) Engineering Structures, Elsevier
- (xvii) ACS Nano
- (xviii) Journal of Advanced Concrete Technology

Last updated on September 11, 2020.