

Curriculum vitae

Family name : **ATMACA**
First name : **Adem**
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Web : [Gaziantep University](#), [WixSite](#)

Education:

Institution [Date from – Date to]	Degree(s) or Diploma(s) obtained:
Gaziantep University (2023-present)	Prof. Dr. Mechanical Engineering, Energy
Gaziantep University (2020-2023)	Assoc. Prof. Dr. Mechanical Engineering, Energy
Gaziantep University (2018-2020)	Assoc. Prof. Dr. Energy Systems Engineering
Gaziantep University (2016-2018)	Assist. Prof. Dr. Energy Systems Engineering
Gaziantep University (2009-2014)	Ph.D. Mechanical Engineering, Energy
Gaziantep University (2000-2005)	BSc. Mechanical Engineering

Language skills: Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
English	1	1	1
German	3	4	4
Portuguese	3	5	5
Turkish	Mother tongue		

Membership of professional bodies:

- Asia-Pacific Chemical, Biological& Environmental Engineering Society, APCBEES.
- United States Green Building Council, USGBC.

Other skills : Fully Computer Literate (all MS Office Programs), Computer-aided design (CAD) and drafting software (AutoCAD, SolidWorks), Energy optimization, modelling and design software (Revit Architectural). Solar Energy Designer (Skelion) with SketchUp.

Present position : Assoc. Prof. Dr., Researcher, Lecturer, Project advisor, Mentor.

Years within the firm : 15 years

Key qualifications :

- Extensive experience in energy reduction measures and methodologies about the transformation of the building stocks to positive energy.
- Experience in support and guide the companies in Solar Energy Sector about the investment and technical assistance in solar energy applications.
- Experience in Energy Conversion and Management Applications in heavy industry especially in cement factories.
- Practice and experience about the manufacturing of conventional **solar panels**.
- Strong experience in coordination of programmes in TUBİTAK as a Project Expert.
- Lecturer on Solar Energy Applications in Buildings, Sustainable Building Design, Green Buildings and Cities, **Solar Energy Engineering**, Exergy Methods for Energy Systems, Heat Transfer, Thermodynamics at Engineering Faculty of Gaziantep University.

- Practice in energy market, energy sector analysis and strategy development projects in Energy Management Centre in Gaziantep University.
- 15 years of strong professional experience in Research and Development (R&D), Product Development (PD), Plant Design, Equipment Design and Development, Consulting for SMEs and other companies, Engineering, Project Management, Research and Development, Researcher, Project Expert, Industry Expert, Jury Member in Energy Sector.
- Extensive experience in knowledge transfer
- Extensive experience in delivering consultancy services to SME's.
- Familiar with government incentive arrangements for entrepreneurship and design-related activities;
- Familiarity with government schemes and websites.
- Strong knowledge of Turkish SMEs and entrepreneurs, mentorship on business development in the Energy Sector.
- Energy conversion and management, renewable energy, the optimal use of energy resources, analysis and optimization of energy processes.
- Strong academic studies about the life cycle energy and CO2 assessment of buildings and post-disaster disaster housings, mitigation of environmental pollutants and sustainable building design.
- Experience on preparation of EU Projects, Horizon 2020, Creative Europe, Eurostars, UN projects.

Specific experience in the region:

Country	Date from – Date to
Germany	May 2003 – Sep. 2003 Entrak GmbH & Co. KG, Wendelstein / GERMANY Manufacturing Internship, in SIEMENS.
Portugal	Jan 2003 – Jan 2004 Universidade do Algarve, PORTUGAL. European Union Erasmus Program.
Germany	May 2004 – Sep. 2004 Entrak GmbH & Co. KG, Wendelstein / GERMANY Management Internship, in SIEMENS

EU Projects, Horizon 2020, Creative Europe, Eurostars, UN projects applications.

- 1- H2020-LC-GD-4-1-2020- BEPositive- Building Energy Positive Constructions-TOPIC ID: LC-GD-4-1-2020. Coordinator. 2020.
- 2- HORIZON-CL5-2021-D4-02-02- RECIPE- Cost-effective, sustainable multi-functional and/or prefabricated holistic renovation packages, integrating RES and including re-used and recycled materials (Built4People). Coordinator. 2022.
- 3- HORIZON-CL5-2021-D3-02-05- SIRENS- Energy Sector Integration: Integrating and combining energy systems to a cost-optimised and flexible energy system of systems. Partner. 2022.
- 4- HORIZON-CL5-2023-D4-01-03- NEURONES- Interoperable solutions for positive energy districts (PEDs), including a better integration of local renewables and local excess heat sources. 2023 (Continues).

Industrial energy efficiency enhancement projects performed

- 1- Gaziantep University, 1 MWp Roof type GES installation,
- 2- Gaziantep University, 18 kWp Land type SPP installation,
- 3- AHS Carpet, 3 MWp Roof GES installation,
- 4- 2nd Stage Eviza Carpet, 1.6 MWp Roof type GES installation,
- 5- Ömer Inal, 80 kWp Land type GES installation,
- 6- Eceplast company, 373 kWp roof type GES installation.

Professional experience:

Date from – Date to	Location	Company	Position	Description
2021-2022	Gaziantep	Gaziantep Chamber of Industry and German International Cooperation Organization (GIZ)	Mentor and educator	<p>Green Transformation Mentoring service, with Gaziantep Chamber of Industry and German International Cooperation Organization (GIZ) PEP Program.</p> <p>Within the scope of "Supporting Green and Digital Transformation for Employment" Project carried out in cooperation with Gaziantep Chamber of Industry (GSO) and German International Cooperation Organization (GIZ) PEP Program; The Green Transformation Mentoring service, a first in Turkey, started with the aim of preparing for the "Green Reconciliation" process, increasing their efficiency and supporting the transformation processes.</p> <p>It is aimed to prepare the companies for the "Green Reconciliation" process, to increase their efficiency and to support the transformation processes.</p> <p>With the aim of facilitating the transition of Gaziantep and the region's industry to green energy, to guide companies in adapting to the European Green Agreement announced on 11 December 2019 with the aim of the European Union (EU) to be the first carbon-neutral continent by 2050. Mentor visits have been performed to 30 companies determined among the companies applying for the mentoring service provided, 2 hours a week for 16 weeks for each company.</p>
2020-present	Gaziantep	Gaziantep University	Associate Professor Dr.	<p>Dr. Atmaca works as "Associate Professor" at Gaziantep University and is responsible for;</p> <ul style="list-style-type: none"> teaching undergraduate, graduate courses on mechanical engineering; providing presentation support and developing courses' material and tools; coordination of training programmes; <p>Courses: Solar Energy Applications in Buildings, Sustainable Building Design, Green Buildings and Cities, Solar Energy Engineering, Exergy Methods for Energy Systems, Heat Transfer, Thermodynamics, Energy Efficient Construction Design, Computational Methods in Civil Engineering.</p>
2018-present	Gaziantep	Gaziantep University	Manager of Energy Management Centre	<p>Dr. Atmaca works as the manager of Energy Management Centre at Gaziantep University and is responsible for;</p> <ul style="list-style-type: none"> reducing the energy consumption of the Gaziantep University; preparing plans and schedules for the application of energy strategies for Gaziantep University; application of the energy reduction strategies; providing presentations and show the current status of the University in terms of energy consumption; support and develop new projects about energy management in the campus area; coordination of energy strategies.

2018-2020	Gaziantep	Gaziantep University	Associate Professor Dr.	Associate Professor at Gaziantep University in the Faculty of Engineering in Energy Systems Engineering.
11.02.2020-13.02.2020	Gaziantep	Target TTO-Shafak Organization-GIZ	Training Expert	Dr. Atmaca had a responsibility as an Expert together with Dr. Balci in order to implement the followings; a) Preparation of Training Agenda b) Implementation of Trainings 1- Energy and Agriculture, Energy types, Current situation and latest technological status in Turkey, Energy systems in Agriculture 2- Irrigation Water management, Applications in Turkey, contemporary state of irrigation, Sustainable water management for agriculture c) Pre-post-test questionnaires d) Organization and implementation of field trips
26/02/2018-01/02/2019	Gaziantep	Gaziantep University	Researcher	Developing high efficient electrical motor to be used in electrical and hybrid vehicles, Scientific research project supported by Higher Education Institutions, Executive: ATMACA ADEM.
01/12/2016 - 02/05/2018	Gaziantep	Gaziantep University	Researcher	Sustainable Green Prototype Building Application, Scientific Research Project supported by Higher Education Institutions, Researcher: ATMACA ADEM.
2016-2018	Gaziantep	Gaziantep University	Dr.	PhD. at Gaziantep University in the Faculty of Engineering in Energy Systems Engineering. Ph.D., Mechanical Engineering, Gaziantep University - Gaziantep, Turkey Dissertation: Increasing Efficiency & Reducing Pollutants in Cement Industry by Thermodynamic & Exergoeconomic Methods. Supervisor: Prof. Dr. Recep Yumruş
15/02/2016-15/02/2017	Gaziantep (Turkey)	Taşev Training Culture and Youth Association and Gaziantep University	Trainer	"Renewable Cooperation & Sustainable Partnership between Green Cities" funded by EU. Dr. Atmaca worked as "Trainer" . ▪ Promotional activities and Presentation: How Energy Politics Supported in Turkey and Gaziantep. Freiburg. Germany. 06.12.2016 He was responsible for; delivering of following training programmes ▪ Training: Solar Energy and Wind Energy. EU Civil Society Dialogue TR2011/0135.15-07/01. 04.10.2016. Gaziantep Teknopark Eğitim Salonu. Gaziantep/Turkey ▪ Training: "Renewable Energy", Synergy for Renewable Energy Training Course.04-04.2017. Gaziantep/Turkey Synergy for Renewable Energy Training Course.04-09.04.2017. Gaziantep/Turkey Study Visit (preparation, delivery and impact assessment): to Innovation Academy. 4.12.2016 - 15.12.2016. Germany

2009-2016	Gaziantep	Gaziantep University	Lecturer	Lecturer in Vocational High School of Gaziantep University, Gaziantep / Turkey. Department of Mechatronics and Energy Division.
2015	Gaziantep	Gaziantep University	Participant	ARGETI'15 International Brokerage Event: Ideas for Investment, participation in the work held at Gaziantep University, Gaziantep, Certificate, 31.03.2015 -31.03.2015 (International)
2013	Ankara	Limak Cement Group	Participant	Business Security Expertise, about the duties, authorities, responsibilities and trainings of safety professionals. I am entitled to receive the title of Class C safety specialist, Ankara, Certificate, 14.10.2013 - 14.01.2014 (National)
22/07/2011 - 02/05/2012	Gaziantep	Gaziantep University	Researcher	Increasing Power and Productivity in Vehicles Working with Renewable Energy Sources, Scientific Research Project Supported by Higher Education Institutions, Researcher: ATMACA ADEM.
22/06/2010 - 22/02/2011	Gaziantep	Gaziantep University	Researcher	Solar Car Manufacturing project, High Scientific Research Project supported by Institutions of Higher Education, Researcher: ATMACA ADEM.
2010	İzmir	TÜBİTAK	Participant	TÜBİTAK Formula G, TÜBİTAK Formula G - Participation in the 6th Solar Car Races, Izmir, Certificate, 05.07.2010
14/07/2010-7. 14/07/2011	Gaziantep	European Union (EU)	Instructor	The Role of Registered Employees in Development of a Country, European Union, Instructor: ATMACA ADEM.
2009	Gaziantep	Grundtvig Workshop	Researcher	Lifelong Learning Program, Grundtvig Workshop 2009., Sharing Knowledge and Experience on Creative Methods of Energy Savings to Combat Global Warming 2009-1-1-TR1-GRU-GRU13-05293., Gaziantep, Certificate, 26.10.2009 -31.10.2009 (International)
2009	Ankara	Autodesk Inc.	Participant	AUTODESK project management task has successfully completed after 40 hours of training by attending Autodesk Inventor Suite R 2009., Ankara, Certificate, 02.11.2008 -02.12.2008 (National)
2008	Ankara	Turkish Cement Producers Union	Participant	Maintenance Seminar on Cement Industry, organized by Turkish Cement Producers Union between 14-19 of April 2008, Ankara, Certificate, 14.04.2008 -19.04.2008 (National)
2008	Ankara	Petrol Ofisi (PO)	Participant	Mineral fats and applications, Petrol Ofisi (PO) training on mineral oils and applications, Ankara, Certificate, 17.04.2008 -17.04.2008 (National)
2008	Ankara	Bil-Tek Industrial Training and Consultancy Center	Participant	Industrial pumps, valves and seals training seminar organized by Bil-Tek Industrial Training and Consultancy Center, Ankara, Certificate, 07.04.2008 -11.04.2008 (National)

2008	Ankara	Turkish Cement Producers Union	Participant	Participated in the "Effective Coaching and Leadership" training program organized by Active Coaching and Leadership, Academic Platform Education and Consultancy, Gaziantep, Certificate, 11.06.2007 -12.06.2007 (National)
2007	Ankara	Bogazici Education Communication Organization	Participant	Incentives, Credits and Funds training seminar, organized by the Bogazici Education Communication Organization., Üsküdar, İstanbul, Certificate, 10.05.2007 -11.05.2007 (National)
2005-2009	Ankara	Limak Cement Group	Investment & Project Management Chief	<p>Limak Group, Limak Cement Group, Ankara / Turkey. Investment & Project Management Department. Preparation, control and application of technical documents for the new investment projects, dealing with research and development aspects of energy conservation techniques and capacity increasing methods in cement plants.</p> <ul style="list-style-type: none"> - Limak Gaziantep Cement (Construction of 55.000 tons of closed clinker stockhole, horizontal ball mill, 2 km of pan conveyor lines, 3 bucked elevators and other auxiliary equipment) - Limak Şanlıurfa Cement (revision and modernisation of kiln unit, design of pyroprocessing unit and grate clinker cooler units) - Construction of a clinker-milling factory in Mardin, Turkey. - Design and construction of a milling unit and closed stockhole in Bitlis, Turkey. - Project assessment and evaluation for the factories planned to be constructed out of Turkey (Kazakhstan, etc.).
2004	Germany	Entrak GmbH & Co. KG, Wendelstein / GERMANY	Management Internship	"Management Internship" Entrak GmbH & Co. KG, Wendelstein / GERMANY. With the invitation from Entrak, which has its roots from SIEMENS Company, 2 nd internship has been finalized in Germany. An important opportunity to observe selling and purchasing procedures of generators and some other airplane parts in Asian and European markets.
2003-2004	Portugal	Universidade do Algarve	Transfer Student	Transfer Student to Universidade do Algarve, PORTUGAL. European Union Erasmus Program.
2003	Germany	Entrak GmbH & Co. KG, Wendelstein / GERMANY	Manufacturing Internship	"Manufacturing Internship" Entrak GmbH & Co. KG, Wendelstein /GERMANY. After being accepted by SIEMENS based company, I have undergone an internship in Germany. I have dealt with the production, repair and maintenance of airplane generators, motors, motor control devices, constant speed drives and many parts used in the aircraft industry.

ARTICLES PUBLISHED IN INTERNATIONAL JOURNALS

1. Atmaca Adem, Kanoglu Mehmet (2012). Reducing energy consumption of a raw mill in cement industry, *Energy*, 42, 261–9.
2. Atmaca Adem, Kanoglu Mehmet, Gadalla Mohamad (2012). Thermodynamic analysis of a pyroprocessing unit of a cement plant: a case study, *Int J Exergy*, 11, 152–72.
3. Atmaca Adem, Yumrutaş Recep (2014). Analysis of the parameters affecting energy consumption of a rotary kiln in cement industry, *Applied Thermal Engineering*, 66, 434-444.
4. Atmaca Adem, Yumrutaş Recep (2014). Thermodynamic and exergoeconomic analysis of a cement plant: Part I – Methodology, *Energy Conversion and Management*, 79, 790–798.
5. Atmaca Adem, Yumrutaş Recep (2014). Thermodynamic and exergoeconomic analysis of a cement plant: Part II – Application, *Energy Conversion and Management*, 79, 799–808.
6. Atmaca Adem, Yumrutaş Recep (2015). The effects of grate clinker cooler on specific energy consumption and emissions of a rotary kiln in cement industry, *Int. J of Exergy*, 18(3), 367-386.
7. Atmaca Adem, Atmaca Nihat (2015). Life cycle energy (LCEA) and carbon dioxide emissions (LCCO2A) assessment of two residential buildings in Gaziantep, Turkey. *Energy and Buildings* 102, 417–431.
8. Atmaca Adem, Atmaca Nihat (2016). Determination of correlation between specific energy consumption and vibration of a raw mill in cement industry. *Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering*, 17(1), 209-219., Doi: 10.18038/btda.11251.
9. Atmaca Adem (2016). Life cycle assessment and cost analysis of residential buildings in South East of Turkey: Part 2 - A case study. *International Journal of Life Cycle Assessment*, 21(7), 925-942. DOI 10.1007/s11367-016-1051-7.
10. Atmaca Adem (2016). Life cycle assessment and cost analysis of residential buildings in South East of Turkey: Part 1- Review and Methodology. *International Journal of Life Cycle Assessment*, 21(6), 831-846. DOI 10.1007/s11367-016-1050-8.
11. Atmaca Adem, Atmaca Nihat (2016). Comparative life cycle energy and cost analysis of post-disaster temporary housings. *Applied Energy*, 171, 429-443. Doi: 10.1016/j.apenergy.2016.03.058
12. Atmaca Nihat, Abbas Mohammed Layth, Atmaca Adem (2017) Effects of nano-silica on the gas permeability, durability and mechanical properties of high-strength lightweight concrete. *Construction and Building Materials*, 147, 17-26., Doi: 10.1016/j.conbuildmat.2017.04.156.
13. Atmaca Adem (2018) Sustainable life span prediction of shelters constructed in refugee camps in Turkey. *Energy, Ecology and Environment*, Doi: 10.1007/s40974-017-0053-z.
14. Atmaca Adem (2018). Energy, exergy and exergoeconomic assessment of a dry type rotary kiln. *Anadolu University Journal of Science and Technology-A Applied Sciences and Eng.* 19/1, 192-205.
15. Atmaca Nihat, Atmaca Adem, Aljumaili Muhammed, Özçetin Ali İhsan (2018). Strength and shrinkage properties of self-compacting concretes incorporating waste PVC dust. *The International Journal of Energy & Engineering Sciences*, 3(1), 47-57.
16. Atmaca Nihat, Atmaca Adem, Sezer Gözde Safak (2018). The Investigation of Strength and Water Absorption of Self-Compacting Concrete by Inclusion of Metakaolin and Calcined Kaolin. *Hittite Journal Of Science Engineering*, Doi: 10.17350/HJSE19030000096.
17. Atmaca Adem, Atmaca Nihat (2018). "Energy efficiency and engineering applications" in conjunction with the "International energy and engineering conference 2016" (Oct 13–14, 2016). *Energy, Ecology and Environment*, 3(1), 1-4., Doi: 10.1007/s40974-018-0082-2
18. Atmaca Adem, Jneid Amani Ali (2019). Reducing environmental effects and enhancing design capability of architectural structures. *The International Journal of Energy Engineering Sciences*, 4(1), 1-18.
19. Atmaca, N., Atmaca, A. & Kılıçık, S. (2019). Comparison Of 2018 And 2007 Turkish Earthquake Regulations. *The International Journal of Energy and Engineering Sciences*, 4(2), 19-25. Retrieved from <https://dergipark.org.tr/en/pub/ijeecs/issue/50467/657792>
20. Atmaca Nihat, Atmaca Adem, Özçetin Ali İhsan (2021). The impacts of restoration and reconstruction of a heritage building on life cycle energy consumption and related carbon dioxide emissions. *Energy and Buildings*, 253, 111507. <https://doi.org/10.1016/j.enbuild.2021.111507>.

21. Atmaca Nihat, Mais, İbrahim, Atmaca Adem (2021). COMPARISON OF PHYSICAL AND MECHANICAL PROPERTIES OF COLD BONDED AND SINTERED LIGHTWEIGHT ARTIFICIAL AGGREGATES. *Adiyaman Üniversitesi Mühendislik Bilimleri Dergisi*, 8(15) 560-570. [10.54365/adyumbd.1013239](https://doi.org/10.54365/adyumbd.1013239).
22. Atmaca Adem, Atmaca Nihat (2022). Carbon footprint assessment of residential buildings, a review and a case study in Turkey. *Journal of Cleaner Production* 340, 130691.
23. Aisha Koprulu, Adem Atmaca, Abdulelah Hameed Yaseen (2022). The effects of dust accumulation on the performance of photovoltaic panels: experimental and numerical results. *The International Journal of Energy and Engineering Sciences*, 7(2), 19-25.
24. Ibrahim, M.A.; Atmaca, N.; Abdullah, A.A.; Atmaca, A. Mechanical Properties of Concrete Produced by Light Cement-Based Aggregates. *Sustainability* 2022, 14, 15991. <https://doi.org/10.3390/su142315991>.
25. Atmaca Adem (2023). Detailed assessment of specific exergetic costing, energy consumption and environmental impacts of a rotary kiln in cement industry. *Environ Sci Pollut Res* 30, 40260–40282 (2023). <https://doi.org/10.1007/s11356-022-24882-w>
26. Atmaca Adem (2023). A comprehensive investigation of a grinding unit to reduce energy consumption, environmental effects and costs of a cement factory, a case study in Türkiye. *Energy Efficiency*. In Press.
27. Ebru Gedik, Atmaca Adem (2023). An experimental study investigating the effects of bentonite clay on mechanical and thermal properties of concrete. *Construction and Building Materials*. Accepted for publication. In Press.

PROCEEDINGS

1. Atmaca, A., Kanoglu, M., Gadalla, M. (2011). Analysis of Pyroprocessing Unit and Waste Heat Recovery System in Cement Industry for Sustainable Development. *The International Conference on Sustainable Systems and the Environment*, 23-24 Mart4, American University of Sharjah, Sharjah, DUBAI.
2. Atmaca, A., Kanoglu, M., Gadalla, M. (2011). Thermodynamic Evaluation of a Raw Mill in Cement Industry. *The Fifth International Exergy, Energy and Environmental Symposium, IEEEES-5*, 12-15 Aralık, Luxor, MISIR.
3. Atmaca, A., Yumrutaş, R. (2012). Thermodynamic analysis of a rotary burner in cement industry, *6th International Ege Energy Symposium & Exhibition*, 28-30 Haziran, İzmir, TÜRKİYE.
4. Atmaca, A., Yumrutas, R. (2012). The use of waste heat streams as an energy resource in a rotary burner in cement industry, in: *12th IAEE European Energy Conference Energy Challenge and Environmental Sustainability*, 9-12 Eylül, Venice, ITALY.
5. Atmaca A, Yumrutas R. (2013). Reducing energy consumption and emissions of a rotary kiln in cement industry. *The 2013 Clute Institute International Academic Conference*, 9-12 Haziran, Paris, FRANSA.
6. Atmaca, N., Atmaca, A. (2016). Vibration Control of a Raw Mill with Fuzzy Logic. *International Conference on Natural Science and Engineering (ICNASE'16)*. pp: 3461-3474. 19-20 Mart, Kilis, TÜRKİYE.
7. Atmaca, A., Atmaca, N. (2016). Embodied Energy and Cost Analysis of a Residential Building in Gaziantep, Turkey. *International Conference on Natural Science and Engineering (ICNASE'16)*. pp: 2578-2586. 19-20 Mart, Kilis, TÜRKİYE.
8. Atmaca, A., Atmaca, N. (2016). Life Cycle Hybrid Assessment of Post Disaster Prefabricated & Container Housings. *International Conference on Civil and Urban Engineering-ICCUE 2016*, 23-24 Mart, Amsterdam, HOLLANDA.
9. Atmaca, A., Atmaca, N. (2016). Environmental effects of residential buildings constructed in urban and rural areas in South East of Turkey, a life cycle approach. *8th International Ege Energy Symposium and Exhibition*, 11-13 Mayıs, Afyon, TÜRKİYE.
10. Atmaca Adem, Atmaca Nihat (2016). Energy Efficient External Wall Construction With A Special Insulation For Buildings Inspiration From Polar Bear Fur. *International Energy & Engineering Conference 2016 (UEMK 2016)*, 818-818.
11. Atmaca Adem (2016). The Effects Of Life Span On Energy Consumption And CO2 Emissions Of Container Houses. *International Energy & Engineering Conference 2016 (UEMK 2016)*, 293-298.

12. Atmaca Nihat, Ali Aram Salim, Atmaca Adem (2017). The effect of Nano-Silica on Gas Permeability and Water Sorptivity of Nano-SiO₂ Blended Concrete. ICOCEE CAPPADOCIA 2017, 2151-2160.
13. Atmaca Nihat, Abbas Mohammed Layth, Atmaca Adem (2017). Mechanical and Durability Properties of High Strength Lightweight Aggregate Concrete by using Nano-Silica. ICOCEE CAPPADOCIA 2017, 2136-2146.
14. Atmaca Nihat, Hnshal Mohammed Wadi, Atmaca Adem (2017). The effects of PVC dust on permeability of self-compacting concrete. 2nd International Congress On Engineering Architecture And Design, 653-654.
15. Atmaca Nihat, Sanaga Gozde Safak, Atmaca Adem (2017). Effect of metakaolin and calcined kaolin on hardened properties of self compacting concrete. 2nd International Congress On Engineering Architecture And Design, 643-644.
16. Atmaca Adem, Kanbar Sara, Atmaca Nihat (2017). A Review of Studies on Life Cycle Assessment of Commercial Buildings. 19th International Conference on Researches in Science & Technology (ICRST). 27-28 July 2017. Wasrti, Universitat de Barcelona - Edifici Histic, Barcelona, Spain.
17. Atmaca Adem, Jneid Amani, Atmaca Nihat (2017). Reducing environmental effects and enhancing design capabilities of architectural structures by using waste polypropylene. 2. Uluslararası Enerji ve Mühendislik Konferansı. UEMK 2017. Gaziantep, Turkey.
18. Atmaca Nihat, Kaky Ahmed Talib, Atmaca Adem (2017). Drying shrinkage and compressive strength of concrete with nano-silica. 2. Uluslararası Enerji ve Mühendislik Konferansı UEMK 2017. Gaziantep, Turkey.
19. Atmaca Adem, Kanbar Sara, Atmaca Nihat (2017). Sustainable design of commercial buildings. 2. Uluslararası Enerji ve Mühendislik Konferansı. UEMK 2017. Gaziantep, Turkey.
20. Atmaca Nihat, Bakbak Derya, Atmaca Adem (2018). Comparison of Adobe and Container Structures via LCA. Kerpic'18 – Back to Earthen Architecture: Industrialized, Injected, Rammed, Stabilized 6th International Conference.
21. Atmaca Adem, Telefoncu Elif, Çevik Abdulkadir (2018), Thermal performance of zeolite as an insulation material for external walls. 3rd International Energy & Engineering Congress, Gaziantep University, pages: 566-570, ISBN: 978-975-7375-45-6.
22. Atmaca Adem (2018), Energy consumption of commercial buildings. 3rd International Energy & Engineering Congress, Gaziantep University, pages: 1148-1153, ISBN: 978-975-7375-45-6.
23. Atmaca Nihat, Soybaşı İbrahim, Atmaca Adem (2018), Effect of boron-containing cement on sulfate attack. 3rd International Energy & Engineering Congress, Gaziantep University, pages: 932-943, ISBN: 978-975-7375-45-6.
24. Atmaca Nihat, Saturnin Floris Kacka Sangola, Atmaca Adem (2018), The shear wall effect on concrete structures. 3rd International Energy & Engineering Congress, Gaziantep University, pages: 1064-1074, ISBN: 978-975-7375-45-6.
25. Atmaca Adem (2019), Carbon Footprint Analysis Of A Residential Building, 4th International Energy & Engineering Congress, Gaziantep University, Turkey, pages: 866-879, ISBN: 978-975-7375-47-0.
26. Atmaca Nihat, Atmaca Adem, Kılıç Seydi (2019), Earthquake Analysis Of A School Project With TBDY 2018, 4th International Energy & Engineering Congress, Gaziantep University, Turkey, pages: 1294-1299, ISBN: 978-975-7375-47-0.
27. Atmaca Adem, Atmaca Nihat (2022). The effects of COVID-19 on the energy trends and production capacity of Turkish Cement Industry. 4th Istanbul International Modern Scientific Research Congress, 16-18 December 2022, İstanbul. ISBN: 978-625-8377-59-0.
28. Atmaca Adem, Atmaca Nihat (2022). Calculation the specific energy consumption of a grinding unit in cement industry. 4th Istanbul International Modern Scientific Research Congress, 16-18 December 2022, İstanbul. ISBN: 978-625-8377-59-0.

MSc. Thesis Supervised

1. Abubakar Liman Ahmad (2017). Comparative study of energy consumption of houses constructed in Nigeria and Turkey. Gaziantep University, Graduate School of Natural & Applied Sciences, Civil Engineering Department. MSc.

2. Salisu Garba Musa (2017). The analysis of CO2 emissions in construction sector in Nigeria and Turkey, Gaziantep University, Graduate School of Natural & Applied Sciences, Civil Engineering Department. MSc.
3. Abbas Mohammed Layth (2017). The effect of nano-silica on the gas permeability, durability and mechanical properties of high strength lightweight aggregate concrete, Gaziantep University, Graduate School of Natural & Applied Sciences- Civil Engineering Department. MSc.
4. Mohammed Wadi Hnshal Aljumaili (2017). Durability and Permeability of self-compacting concrete incorporating waste PVC dust, Gaziantep University, Graduate School of Natural & Applied Sciences- Civil Engineering Department. MSc.
5. Gözde Safak Sanaga (2017). Hardened properties of self compacting concrete with metakaolin and calcined kaolin, Gaziantep University, Graduate School of Natural & Applied Sciences, Civil Engineering Department. MSc.
6. Sara Kanbar (2018). Sustainable design of commercial buildings through embodied energy optimization, Gaziantep University, Graduate School of Natural & Applied Sciences, Civil Engineering Department. MSc.
7. Amani Jneid (2019). Reducing environmental effects and enhancing design capability of architectural structures by using waste polypropylene, Gaziantep University, Graduate School of Natural & Applied Sciences, Civil Engineering Department. MSc.
8. İbrahim Soybakış (2019). Influence of pet waste on the properties of asphalt concrete. Gaziantep University, Graduate School of Natural & Applied Sciences- Civil Engineering Department. MSc.
9. Kacka Sangola Saturnin Floris (2019). Determination of conformity of urban transformation project in Gaziantep city with the new earthquake code by using SAP2000., Gaziantep University, Graduate School of Natural & Applied Sciences, Civil Engineering Department. MSc.
10. Elif Telefoncu (2019). Investigation of the thermal performance of zeolite as an insulation material for external walls of a construction. Gaziantep University, Graduate School of Natural & Applied Sciences, Civil Engineering Department. MSc.
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