



HALLIWELL

DR KEMAL SARP ARSAVA

PhD, MSc, BSc

SENIOR RESEARCHER,
FIRE RESEARCH SERVICES
TRONDHEIM, NORWAY

kemal.arsava.halliwellglobal.com
+44 (0)20 3369 0469 | Office
halliwellglobal.com

PROFILE

Dr. Kemal Sarp Arsava is a Senior Researcher at Halliwell Fire Research and an Associate Professor of Civil Engineering at the Norwegian University of Science and Technology (NTNU), with over 15 years of research and academic experience in fire safety engineering, structural analysis, and risk management. He holds a Ph.D. in Civil Engineering from Worcester Polytechnic Institute (USA), with expertise spanning electric vehicle fires, wildland-urban interface fires, fire suppression systems, and structural behavior under extreme loading conditions. He has led and contributed to more than 10 international research projects funded by the European Commission, U.S. federal agencies, and industry partners, including coordinating the large-scale TREEADS project under Horizon 2020, involving 47 international partners. He is the author of over 18 peer-reviewed journal papers, holds 4 patents, and has produced numerous technical reports and conference publications.

QUALIFICATIONS AND TRAINING

- PhD in Civil Engineering, Oct 2014, Worcester Polytechnic Institute, Worcester, MA, U.S.
- MSc in Civil Engineering, Jan 2010, Middle East Technical University, Ankara, Turkey
- BSc in Civil Engineering, June 2008, Atilim University, Ankara, Turkey

RESEARCH AND INDUSTRY EXPERIENCE

Associate Professor, Norwegian University of Science and Technology, Norway Aug 2025 – Present

Teaching fire technology (TBA4175) and Fire Safety Engineering, Advanced Course (TBA4177), while conducting research on various topics, including fires in electric vehicles, the wildland-urban interface, timber compartments, and fire suppression systems.

- Supervise and co-supervise two PhD students: one focusing on timber compartment fires and the other on the safe handling of biochar in the metallurgical industry
- Supervise an MSc student studying structural safety in concrete tunnels.
- NTNU representative at the Fire Research and Innovation Center (FRIC) Leader Group.
- Serve as the chair of scientific council of the International Water Mist Association.

Senior Research Scientist, RISE Fire Research AS., Norway May 2021 – Aug 2025

Collaborating with the European Commission, industry, and academia on wildland fires, façade fires, electric vehicle fires, and water-based suppression systems.

- Project coordinator of the TREEADS (HORIZON 2020-101036926) focuses on developing

DR KEMAL SARP ARSAVA, PhD, MSc, BSc

SENIOR RESEARCHER, FIRE RESEARCH SERVICES

state-of-the-art technologies for fire and sustainable forest management that comprises four pillars: prevention, preparedness, early detection, and rapid response. The project involves 47 international partners and will last 3.5 years. Responsible for monitoring the progress, coordinating meetings, overseeing partners, assuring the quality of the technical content, and reporting to the Project Officer (PO).

- Project manager of the NFPA - Full-Scale Testing of Electric Vehicles in Parking Structures project that will start in 2025. Responsible for writing the proposal and communicating with NFPA.
- Project manager at RISE Fire Research for the KSP-EnergyProSafe project that will start in 2025. The project focuses on the safe handling and transportation of biocarbon. Responsible for writing the proposal and communicating with SINTEF Energy.
- Project manager of FRIC 2.2 focusing on the effective suppression of compartment fires. Responsible for developing a research plan, performing experiments, data analytics, and writing scientific papers.
- Managed and coordinated FRIC 2.3, which focused on the release of combustible gases of construction materials to quantify the intensity of the fire. Responsible for developing a research plan, performing experiments, data analytics, and report writing. The scientific paper is under review.
- Scientific board member of the International Water Mist Association (IWMA). Responsible for providing scientific presentations at IWMA conferences since 2021.
- European Academies Science Advisory Council (EASAC) Wildfire Working Group Member.
- Contributed to many industrial projects related to fire suppression.

Research Engineer, U.S. Army Cold Regions Research and Engineering Laboratory (CRREL), U.S. Dec 2017 – May 2021

Collaborated with U.S. federal agencies, industry, and academia on fire, combustion, advanced oil spill response technologies, hazardous waste removal, and environmental engineering.

- Led a Department of Interior (DOI) project related to in-situ burning of oil spills in offshore environments (U.S. BSEE Project No: 1104). Responsible for performing heat transfer calculations to optimize the patented Flame Refluxer (FR) technology, designing the experimental platforms and test matrix, data analytics, report writing, preparing the FR technology for the market, and coordinating WPI, Bureau of Safety and Environmental Enforcement (BSEE) and CRREL.
- Consulted BSEE and US Coast Guard on topics related to combustion and in-situ burning.
- Led one of the important tasks of a DOI project related to the oil spill Response in Arctic environments (U.S. BSEE Project No: 1082). Responsible for performing heat transfer calculations to determine the optimum hose length to prevent freezing, designing experimental platforms and test matrix, data analytics, and report writing.

DR KEMAL SARP ARSAVA, PhD, MSc, BSc

SENIOR RESEARCHER, FIRE RESEARCH SERVICES

- Led the US Coast Guard-CRREL collaborative project to perform mesoscale (1.15 m²) in-situ burn experiments with vegetation at CRREL's wave tank. Designed the experimental platform and test matrix and analyzed the effects of vegetation on burning efficiency, flame spread rate, and oil/water/flame temperatures.
- As a researcher who has led numerous large-scale tests and prototype equipment demonstrations, I guided USCG in a joint agency effort to perform field-scale in-situ burn experiments at the Joint Maritime Test Facility (JMTF) in Mobile, AL.
- As a subject matter expert on combustion efficiencies of crude oil pool fires, I guided BSEE and SL Ross to test a new fire boom configuration equipped with an air injection system to increase the burning efficiency and reduce the smoke emissions (U.S. BSEE Project No: 1093). Performed experiments, post-processed the data, and authored the discussion section of the technical report.
- As a researcher experienced in pool fire heat transfer mechanics and prototype development, I guided BSEE and SL Ross in testing a new oil-water surface insulation system to increase the oil burn efficiency and to reduce the smoke emissions (U.S. BSEE Project No: 1095).

Research Engineer, Fire Protection Engineering, Worcester Polytechnic Institute (WPI), U.S. Nov 2015 – Dec 2017

Collaborated with the U.S. Coast Guard and the U.S. Navy on research projects sponsored by the U.S. Department of Interior, managing and mentoring 9+ direct reports.

- Designed, manufactured, tested, and prototyped a novel oil spill response technology minimizing post-spill processing.
- Performed large-scale experiments and developed analytics on post-process the experimental data.
- Performed heat transfer analysis and developed a mathematical model to validate the experimental data.
- Published 2 patents, 1 journal paper, and 4 conference papers.
- Mentored two master's students on their work related to the clean-up of oil-contaminated porous media by combustion and outdoor gas emission sampling.

Post-Doctoral Fellow, Fire Protection Engineering, WPI, U.S. Nov 2014 – Nov 2015

Managed a team of 7 direct reports to design, manufacture, and test an incinerator for a U.S. Department of Interior-sponsored project. Oversee all recruitment, project, and supply management.

- Developed a safe, low emission, in situ burner to quickly separate the oil and water recovered from a skimming system and burn off the recovered oil.
- Designed and built a large-scale test setup to run experiments to evaluate and optimize various parameters used in developing the oil spill cleaning technology.

DR KEMAL SARP ARSAVA, PhD, MSc, BSc

SENIOR RESEARCHER, FIRE RESEARCH SERVICES

- Published 1 patent, 1 journal paper, 1 report, and 2 conference papers.
- Mentored one master's student on this work related to the structural impact mitigation of a bridge using a tuned mass damper.

Research Assistant, Department of Civil and Environmental Eng., WPI, U.S. Jan 2012 – Aug 2014

Conducted research in the areas of structural dynamics, control, and monitoring.

- Designed and manufactured small-scale structural members. Used National Instruments, DSpace, and LABVIEW to measure and analyze the force, acceleration, and displacement under high-impact loads.
- Used Adaptive Neuro Fuzzy Inference System for system identification and control of structures equipped with magnetic dampers.
- Excelled in structural dynamics and control, structural design for fire conditions, explosion protection, and pre-stressed concrete design.
- Published 1 patent, 6 journal papers, 6 conference papers and 3 book chapters.
- Mentored 3 Master Qualifying Projects with 4 undergraduate students.

Structural Engineer, Ari Design and Engineering, Ankara, Turkey
Sep 2009 – Aug 2010

Provided technical reports and analysis, including technical drawings and structural design calculations.

- Worked on Bosphorus rail tube crossing, Istanbul, Turkey.
- Participated in the design group focused on the underground concrete stations.

TEACHING EXPERIENCE

Adjunct Professor, Department of Civil Engineering and Technology, Jan 2017 – Feb 2017
Wentworth Technical University, U.S.

(Teaching evaluation average: 4.5 out of 5, 5=best)

Taught bridge design (CIVE-8700 Bridge Design).

- Covered such topics as bridge types, section calculations, load combinations, distribution factors, and AASHTO LRFD Bridge Design Specification.
- Mentored nine graduate students.

Adjunct Professor, Department of Civil and Environmental Eng., WPI, US Aug 2019 – Oct 2019
Aug 2015 - Oct 2015
Aug 2014 - Oct 2014

(Teaching evaluation average: 4.75 out of 5, 5=best)

DR KEMAL SARP ARSAVA, PhD, MSc, BSc

SENIOR RESEARCHER, FIRE RESEARCH SERVICES

Taught pre-stressed concrete design (CE-4017 Prestressed Concrete).

- Covered such topics as materials and methods of prestressing, losses in prestressing, shear and flexural behavior of prestressed beams, design of diaphragms, and pier design.
- Mentored 10-18 undergraduate students.
- Engaged with industry and organized technical tours.

Guest Lecturer, Structural Dynamics, WPI, US

Nov 2013 – Dec 2013

(Teaching evaluation average: 4.58 out of 5, 5=best)

- Discussed impact loads and structural control systems.
- Introduced concepts of LS-DYNA software to students.
- Solved various examples that include static, impact and blast loads are by using LS-DYNA.

PROFESSIONAL POSITIONS

Aug 2025 – Present	Associate Professor	Norwegian University of Science and Technology
May 2021 – Aug 2025	Senior Research Scientist	RISE Fire Research A.S., Norway
Dec 2017 – May 2021	Research Engineer	U.S. Army Cold Regions Research and Engineering Laboratory, U.S.
Nov 2015 – Dec 2017	Research Engineer	Worcester Polytechnic Institute, U.S.
Sep 2009 – Aug 2010	Structural Engineer	Ari Design and Engineering, Turkey

ACADEMIC POSITIONS

Jan 2017 – Feb 2017	Adjunct Professor	Wentworth Institute of Technology, U.S.
Nov 2014 – Nov 2015	Postdoctoral Fellow	Worcester Polytechnic Institute, U.S.
Aug 2015 – Oct 2015	Adjunct Professor	Worcester Polytechnic Institute, U.S.
Aug 2014 – Oct 2014	Adjunct Professor	Worcester Polytechnic Institute, U.S.
Jan 2012 – Aug 2014	Research Assistant	Worcester Polytechnic Institute, U.S.

PUBLICATIONS

Journal Papers

1. C. Meraner, **K.S. Arsa**va, T. Li, "The effects of different trigger methods on thermal runaway propagation in a 6.6 kWh lithium-ion pouch-cell battery module", *Future Batteries*, Volume 9, 2026, 100159.
2. R.F. Mikalsen, E. Aamodt, M. Gribble, E. S. Skilbred, D.O. Snersrud, **K.S. Arsa**va, "Understanding Wildfires in Norway: Key Hazards and Vegetation Fires Damaging Buildings 2016–2023". *Fire and Materials*, Volume 59, Issue 5, 2025.
3. L. Jiang, D. Zeinali, **K.S. Arsa**va. et al. "The Impact of Water-Based Fire Suppression Systems on Combustion Products". *Fire Technol*, <https://doi.org/10.1007/s10694-024-01689-4>, 2025.
4. C. Meraner, E.S. Skilbred, **K.S. Arsa**va, "Experimental investigation of water-based fire suppression systems on external façade fires", *Fire Technol* 60, 3629–3648, 2024.
5. N.G. Sauer, **K.S. Arsa**va, and A.S. Rangwala, "Burning capability of the flame refluxer under the influence of waves", *Fire Safety Journal*, Volume 140, 2023.
6. HH. Ho, **K.S. Arsa**va, and A.S. Rangwala, "Burning Behavior Analysis in Meso and Large-Scale Oil Slick Fires With and Without Waves Using Outdoor Gas Emission Sampling (OGES) System", *Fire Technology*, 58, 1963–1993, 2022.
7. S. Nair, G. Mahnken, **K.S. Arsa**va, and A.S. Rangwala, "Modeling the Influence of Immersed Objects on Pool Fire Burning", *Fire Technology*, 58, 1937–1961, 2022.
8. J. Aurell, A. Holder, B. Gullett, N. Lamie, **K.S. Arsa**va, R. Conmy, D. Sundaravadivelu, W. Mitchell, K. Stone, "Analysis of emissions and residue from methods to improve efficiency of at-sea, in situ oil spill burns", *Marine Pollution Bulletin*, Volume 173, Part A, 2021.
9. **K.S. Arsa**va, V. Raghavan, and A.S. Rangwala, "Enhanced Oil Spill Clean-Up Using Immersed Thermally Conductive Objects", *Fire Technology*, Volume 54, Issue 6, 1745–1758, 2018.
10. **K.S. Arsa**va, G. Mahnken, and A.S. Rangwala, "Use of immersed conductive objects to enhance the burning rate of hydrocarbon pool fires", *Cold Regions Science and Technology*, Volume 146, 133-141, 2018.
11. H. Sezer, **K.S. Arsa**va, and A.S. Rangwala, "Oil spill clean-up using immersed metal wool", *Journal of Environmental Chemical Engineering*, Volume 5, Issue 5, 5196-5206, 2017.
12. H. Sezer, **K.S. Arsa**va, S.P. Kozhumal, and A.S. Rangwala, "The effect of embedded objects on pool fire burning behavior", *International Journal of Heat and Mass Transfer*, 108A:537-548, 2017.
13. **K.S. Arsa**va, Y. Kim, and K. Kim, "Fuzzy control for impact mitigation of coastal infrastructure equipped with magnetorheological dampers", *Journal of Coastal Research*, 75:1037-1041, 2016.
14. **K.S. Arsa**va, Y. Nam, and Y. Kim, "Nonlinear system identification of smart reinforced concrete structures under impact loads" *Journal of Vibration and Control*, DOI: 10.1177/1077546314563966, 2015.

15. **K.S. Arsaava**, Y. Kim, K. Kim, and B. Shin, "Smart fuzzy control of reinforced concrete structures excited by collision-type forces" *Expert Systems with Applications*, DOI: 10.1016/j.eswa.2015.05.024, 2015.
16. **K.S. Arsaava**, and Y. Kim, "Modeling of magnetorheological dampers under various impact loads" *Shock and Vibration*, DOI:10.1155/2015/905186, 2015.
17. **K.S. Arsaava**, J.W. Chong, and Y. Kim, "A novel health monitoring scheme for smart structures" *Journal of Vibration and Control*, 1-19: DOI: 10.1177/1077546314533716, 2014.
18. **K.S. Arsaava**, Y. Kim, and T. El-Korchi, "Nonlinear system identification of smart structures under high impact loads" *Journal of Smart Materials and Structures*, Paper ID: 055008, 2013.

Book Chapters

1. A.S. Rangwala, K.S. Arsaava, "The Tea Light Candle and the Global Waste Problem", In: Gupta, A.K., De, A., Aggarwal, S.K., Kushari, A., Runchal, A.K. (eds) *Advances in Energy and Combustion. Green Energy and Technology*. Springer, 2022.
2. Singapore. Y. Kim, **K.S. Arsaava**, and T. El-Korchi, "System Identification of High Impact Resistant Structures" *Lecture Notes on Computer Science (LNCS)*, *Spring-Verlag*, 2013.
3. Y. Kim, T. El-Korchi, and **K.S. Arsaava**, "High Impact Force Attenuation of Reinforced Concrete Systems" *Structures under Shock and Impact XII*, WIT Press, G. Schleyer and C.A. Brebbia (ed.), 2012.
4. Y. Kim, T. El-Korchi, and **K.S. Arsaava**, "System Identification of Smart Structures under High Impact Loads" *Structures Under Shock and Impact XII*, WIT Press, G. Schleyer and C.A. Brebbia (ed.), 2012.

Conference Papers

1. C. Meraner, **K.S. Arsaava**, T. Li, "On the effect of ventilation conditions in naturally ventilated car parks on fire safety", *Seventh International Conference on Fires in Vehicles*, Stavanger, Norway, April 24-25, 2023.
2. HH. Ho, N.G. Sauer, M. Kottalgi, **K.S. Arsaava**, A.S. Rangwala and K. Stone, "Oil foaming of crude oil fires on water", *The 44th AMOP Technical Seminar on Environmental Contamination and Response*, June 6- 8, Canada, 2022.
3. N.G. Sauer, X. Pi, **K.S. Arsaava**, A.S. Rangwala," Controlling Mechanisms of Burning Rate Enhancement While Using Flame Refluxer Technology During In Situ Burning of Crude Oil Spills", *IOSC 2020*, New Orleans, LA, May 11-14, 2021.
4. B. Gullett, J. Aurell, A. Holder, N. Lamie, **K.S. Arsaava**, R. Conmy, D. Sundaravadivelu, and K. Stone "Characterization of Emissions and Residue from Measures to Improve Efficiency of In Situ Oil Burns", *IOSC 2020*, New Orleans, LA, May 11-14, 2021.
5. N. Lamie, L. Zabilansky, **K.S. Arsaava**, K. McKinney, "Active Ice Management System for Skimmers" *IOSC 2020*, New Orleans, LA, May 11-14, 2020.
6. **K.S. Arsaava**, T.J. Borth, S.L. Fields, K. Hansen, S. Kozhumal, G. Mahnken, D. Petrow, A.S. Rangwala, H. Sezer, K. Stone, J. Torero, P. Tukaew, R.G. Zalosh, "Application of Flame Refluxer

DR KEMAL SARP ARSAVA, PhD, MSc, BSc

SENIOR RESEARCHER, FIRE RESEARCH SERVICES

- Concept to ISB – Experimental Results of 5 Field Trials in Mobile, Alabama”, *The 42nd AMOP Technical Seminar on Environmental Contamination and Response*, Canada, June 4 to 6, 2019.
7. P. Tukaew, **K.S. Arsaava**, S.L. Fields, A.S. Rangwala, “Outdoor Gas Emission Sampling System – Performance during Large Scale Fire Tests in Mobile Alabama”, *The 42nd AMOP Technical Seminar on Environmental Contamination and Response*, Canada, June 4 to 6, 2019.
 8. **K.S. Arsaava**, A.S. Rangwala and K. Hansen, “An Offshore In-situ Burn Enhanced by Immersed Objects”, *The 40th AMOP Technical Seminar on Environmental Contamination and Response*, June 6- 8, Canada, 2017.
 9. S. Arava, A. J. Walawalkar, **K.S. Arsaava**, H. Sezer, and A.S. Rangwala, “A Novel In-situ Combustion Concept for Hazardous Waste Clean Up”, 10th U. S. National Combustion Meeting Organized by the Eastern States Section of the Combustion Institute, April 23-26, College Park, Maryland, 2017.
 10. H. Sezer, **K.S. Arsaava**, A.S. Rangwala, “Burning Behavior of a Pool Fire on a Water Layer with a Thin Metal Wool”, 10th U. S. National Combustion Meeting Organized by the Eastern States Section of the Combustion Institute, April 23-26, College Park, Maryland, 2017.
 11. T.J. Borth, S.K. Lakkundi, **K.S. Arsaava**, S.P. Kozhumal, and A.S. Rangwala, “Influence of Co-Directional, Axisymmetric Air Injection on Soot Generation Within a Laminar Pool Fire”, 10th U. S. National Combustion Meeting Organized by the Eastern States Section of the Combustion Institute, April 23-26, College Park, Maryland, 2017.
 12. **K.S. Arsaava**, H. Sezer, and A.S. Rangwala, “A novel oil-water emulsion burner concept for offshore oil spill clean-up”, *2016 Mary Kay O'Connor Process Safety Center International Symposium*, October 24-27, Texas A&M, 2016.
 13. **K.S. Arsaava**, and A.S. Rangwala, “Oil-water emulsion burner for on-board and on-ice incinerators”, *The 39th AMOP Technical Seminar on Environmental Contamination and Response*, June 7- 9, Canada, 2016.
 14. **K.S. Arsaava**, and Y. Kim, “Nonlinear Analysis of Bridge Piers under Barge Collision Load”, *The 2014 Structural Congress*, April 3-5, Boston, USA, 2014.
 15. Y. Kim, **K.S. Arsaava**, and J.M Kim, “Structural Health Monitoring of Smart Structures”, *Engineering Mechanics Institute Conference (EMI2013)*, Aug 4-7, Chicago, USA, 2013.
 16. Y. Kim, **K.S. Arsaava**, and T. El-Korchi, “System Identification of High Impact Resistant Structures”, *12th International Work-Conference on Artificial Neural Networks (IWANN 2013)*, June 12-14, Puerto de la Cruz-Tenerife, Spain, 2013.
 17. **K.S. Arsaava**, and Y. Kim, “High Impact Analysis of Bridge-Vessel Collisions”, *The 2013 International Symposium on Mechatronics and Applied Mechanics (ISMAM 2013)*, May 15-16, Nanjing, China, 2013.
 18. Y. Kim, T. El-Korchi and **K.S. Arsaava**, “System Identification of Smart Structures under High Impact Loads”, *12th International Conference on Structures Under Shock and Impact*, Sept 4-6, Kos, Greece, 2012.

DR KEMAL SARP ARSAVA, PhD, MSc, BSc

SENIOR RESEARCHER, FIRE RESEARCH SERVICES

19. Y. Kim, T. El-Korchi and **K.S. Arsa**va, "High Impact Force Attenuation of Reinforced Concrete Systems", *12th International Conference on Structures Under Shock and Impact*, Sept 4-6, Kos, Greece, 2012.

Technical Reports

1. C. Meraner and **K.S. Arsa**va, "Brannsikkerhet i naturlig ventilerte parkeringshus" RISE RAPPORT 2022:95.
2. A.S. Rangwala, **K.S. Arsa**va, H. Sezer, "Enhanced Burning of Oil Slicks" Report to The Bureau of Safety and Environmental Enforcement (BSEE), Washington, DC, USA, Contract No. E15PC00004, 2017.
3. A.S. Rangwala, **K.S. Arsa**va, G. Mahnken, and S. Xiaochuan, "A novel experimental approach to enhance burning of oil-water emulsions by immersed objects ", Report to The Bureau of Safety and Environmental Enforcement (BSEE), Washington, DC, USA, Contract No. E14PC00043, 2015.

PATENTS

	Patent Name	Patent No
1	Methods and Systems for Clean-Up of Hazardous Spills	US 2016/0123582 A1
2	Low-Cost Bidirectional Shaking Table Apparatus	(European) EP3029447A2
3	Systems and Methods for In-Situ Clean Up of Burnable Materials	US 2017/0073918 A1
4	Immersed Conductive Objects for Hazardous Waste Combustion	US 2018/0149356 A1

GRANTS

	Funding Agency	Topic	Role	Amount	Period Covered
1	Middle East Technical University (METU)	Fire Tests of Cut and Cover Tunnel Roof Segments	PI	\$1,100	03/2010-06/2010
2	WPI Graduate Student Government	Nonlinear Analysis Of Bridge Piers Under Barge Collision Load	PI	\$375	04/2014-05/2014
3	Applied Research Associates (ARA)	Quantitative Measurement of In-Situ Burn Efficiency and Rate – WPI Phase	PI	\$50,000	06/2016-07/2016
4	EPIC Project Center at Wentworth Institute of Technology	Smart Cities: Intelligent Transportation Systems	Co-PI	\$5,000	04/2018-04/2020
5	U.S. Bureau of Safety and Environmental Enforcement	Advancing the Maturity of the Flame Refluxer™ Technology	Co-PI	\$900,000	11/2018-11/2020
6	Western Carolina University Provost's Internal Support Grant Proposal	Liquid atomization of hydrocarbons for high-efficiency combustion applications	Co-PI	\$9,835	08/2018-08/2021
7	US. Coast Guard	Mesoscale In-Situ Burn (ISB) Experiments for Oil Spill Response in Freshwater with Vegetation	PI	\$78,000	07/2019-09/2019
8	EU Horizon 2020	TREEADS – A Holistic Fire Management Ecosystem for Prevention, Detection and Restoration of Environmental Disasters*	PI	Total € 22,788 345.99 (€1,576 974.20 for my organization)	11/2021-05/2025
9	NFPA	Full-Scale Testing of Electric Vehicles in Parking Structures	PI	Expected amount: € 250,000	01/2025-07/2025
10	KSP – Collaborative and Knowledge-Building Project	Improving Energy Production and Safety in Biocarbon Value Chains	Co-PI	Expected amount: € 1,450,000 (€350,000 for my organization)	01/2025-12/2029