



ÜNİVERSİTE - SANAYİ İŞBİRLİĞİ MERKEZLERİ PLATFORMU

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

Chinese Academy of Sciences (CAS) Delegation Details for Visit to Izmir, Türkiye

Date: December 1st, 2025

Venue: İzQ İnovasyon Merkezi,
Akdeniz, Atatürk Cd. No:126, 35210 Konak,
İzmir, Türkiye (<https://maps.app.goo.gl/uLNbTbe7ybZemkH56>)

Aim: To strengthen ties between CAS and Turkey's industry-academia-research sectors, exploring potential opportunities for cooperation in technology transfer, innovation research, and industry-academia collaboration and to pave the way for in-depth collaboration in areas such as technological innovation, technology transfer, and talent development, laying a solid foundation for long-term cooperation between our institutions.

Specific Areas for Cooperation Mission:

- 1. China-Turkey Collaboration on Research Topics:** Advanced Materials Science, Sustainable & Green Technologies, Nanotechnology for Catalysis & Energy, Functional & Smart Materials
- 2. Technology Commercialization Cooperation:** Technology Transfer Best Practices, Innovation Ecosystem Development, Intellectual Property Management, Strategic R&D Planning
- 3. Talents Exchange and Training:** Joint Workshops/Seminars, Young Scientist Exchange & Internships, Dual Degree/Supervision Programs



ÜNİVERSİTE - SANAYİ İŞBİRLİĞİ MERKEZLERİ PLATFORMU

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

Program

November 30, 2025

11:10 Arrival at Izmir – Stay at Park Inn by Radisson Izmir

December 1, 2025

8:30 - 9:00 Arrival at the Venue - *Welcome / Refreshments*

9:00- 9:15 Opening Session

- Opening address by Academician Chunli BAI on behalf of the Chinese delegation.
- Welcome remark by Prof. Fazilet Vardar to officially inaugurate the proceedings.

9:15-10:00 Meeting with the Turkish Group of Researchers from Izmir Universities

10.00 -10:15 Brief Introduction of USIMP & the Turkish K/TT ecosystem

10:15 – 10:30 An Overview of Turkish - Chinese R&D Collaboration Supports

10:30 – 11:00 Chinese Delegation Presentations

- Prof. Dong WANG, introducing the Institute of Chemistry, **Chinese Academy of Sciences** -CAS
- Introduction to ANSO and Cooperative Intentions - **Alliance of International Science Organizations** - ANSO
- International Technology Transfer Professionals Joint Training Cooperation Opportunities - **International Technology Transfer Network** - ITN

11:00 -12:00 Bilateral Talks

12:00 -12:15 A Summary of Exchanges and Future Plans

12:15-12:30 Transfer to Restaurant

12:30 – 13:30 Lunch for the Chinese Delegation - Hosted by The Rector of Izmir University of Economics Prof. Dr. Y. Hakan Abacioğlu (*Teras Restoran - Izmir Chamber of Commerce*)

13:30-14:00 Hotel Checkout



ÜNİVERSİTE - SANAYİ İŞBİRLİĞİ MERKEZLERİ PLATFORMU

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

21:40

Flight to Istanbul



ÜNİVERSİTE - SANAYİ İŞBİRLİĞİ MERKEZLERİ PLATFORMU

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

About USIMP - University-Industry Collaboration Centres Platform of Türkiye

USIMP is a “civil initiative” motivated by social responsibility, founded in 2007. Its aim is to create awareness of university-industry cooperation/collaboration and technology transfer among all stakeholders. USIMP has 140+ institutional members (universities, tech-transfer offices, Chambers of Industry, Exporters Unions, NGOs etc.) from different regions of Turkey.

The mission of USIMP is to contribute to the establishment, institutionalization and improvement of quality and performance of university-industry collaboration interface organizations by developing a national culture for cooperation and collaboration, and to contribute to the development of policies and strategies and action plans for effective and efficient implementation of technology transfer practices for proper exploitation of university-based knowledge and technologies for the good of the society.

USIMP organises different activities, develops novel tools with special focus on University-Industry Collaboration / Knowledge Exchange with members & stakeholders and these are usually hosted and/or co-funded by the member organizations.

Particular care is given to create synergies amongst USIMP members and to limit services only to those that cannot be provided individually by any individual member.

USIMP has a holistic and integrated approach to Knowledge/Technology transfer and focuses on the establishment and development of interface organisations that serves the specific institutional/regional needs with a model that is applicable and in agreement with the cultural characteristics. The main tool is to create consensus and synergies amongst internal and external stakeholders; namely, academia, industry, government, public institutions and NGOs. Tailor-made services are developed for various national and international players of the ecosystem and are implemented for capacity building and skills improvement. It is a member of ATP (alliance of technology Transfer Professionals) and has active roles in inTernational Platforms (AUTM international Strategic Committee – MENA Region, ASTP-NAAC) and has had a formidable performance as a sustainable NGO in the last 18 years:

- 16 National Congresses organised since 2008, (*an average of 350 participants each*)
- 10 USIMP NATIONAL PATENT FAIRS - since 2015
- 8 Workshops with AUTM to develop a *Turkish Interface Model*
- 20+ Surveys for KE/TT Ecosystem: *Expectations from TTOs: Problems & Solutions, Utilisation of R&D Funds by Industry, Exploitation of Critical Technologies in Industrial Sectors, TTO Metrics, Employee Satisfaction in University TTOs, Role of Research Management, etc*)
- 7 National TTO Network Summits
- 100+ Symposia and Workshops on UIC, TT and IPR
- 30 Trainings to meet the TTO Professionals deficit (*600 + people trained*)
- Reports Prepared and Published
- 10 MoUs with international / national organisations
- 180+ events by national stakeholders and 40+ events of international partners – *active representation.*



ÜNİVERSİTE - SANAYİ İŞBİRLİĞİ MERKEZLERİ PLATFORMU

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

Brief Info on Participating Izmir Universities *(in alphabetical order)*

Dokuz Eylül University (DEU)

Dokuz Eylül University (DEU) established in 1982 is one of the largest universities of Türkiye with 60,183 students from all over Turkey and 4418 foreign students from 108 countries. Its vision is to foster its global presence in education and research and to become a key player in the global knowledge network.

DEU has 18 faculties involving the fields maritime, education, literature, science, fine arts, nursing, law, economics and administrative sciences, theology, business, architecture, engineering, medicine, veterinary, dentistry, tourism, sports sciences, physical therapy and rehabilitation, 10 graduate schools and institutes, 1 conservatory, 2 schools, 6 vocational schools and 39 research and application centers. There are 945 full professors, 469 associate professors, and 427 assistant professors employed on a permanent basis at DEÜ. Together with lecturers, research assistants in various appointment categories, project-funded research fellows, and postdoctoral researchers, the total researcher portfolio approaches 4,000.. DEÜ currently manages 490 postgraduate programmes, 116 BA level programmes, 47 associate degree programmes. DEU also has bilateral academic collaborations with 68 education and research centers world-wide.

Ege University (EU)

Ege University, founded in 1955 is the fourth oldest University in Türkiye. Currently it accommodates 19 Faculties, 9 Institutes, 3 Graduate Schools, 1 State Conservatory of Turkish Music, 10 Vocational Schools, 6 Rectorate Units, 40 Application and Research Centers. It has 3283 academic staff and 7070 administrative staff serving 56.404 students, 48.211 of which are undergraduate and associate degree students, and 8.193 are postgraduate students.

Ege University, has a strong research infrastructure especially with its accredited Research and Application Center of Drug Development and Pharmacokinetics, Environment and Food Analysis Laboratory (ARGEFAR), Petroleum Analysis Laboratory (EGEPAL), Central Research Test and Analysis Laboratory Application and Research Center (MATAL), Pharmaceutics Research Laboratory (FABAL), Solar Energy Institute, BESTMER (Biological Energy Systems and Technology Center), Ege University Research and Application Center of Textile and Apparel Manufacturing (TEKAUM) and a total of 896 laboratories within the faculties, graduate schools, institutes, research and application centers to aid educational and research activities within, and Ege Teknopark Technology Development Zone and nùvEge Incubation Center.

Ege University being a pioneer representative of Fourth Generation University Concept, has a mandate for creating a higher added value with its regional strength by prioritising social benefit. Ege University is known for its high-quality research and education, as well as with



ÜNİVERSİTE - SANAYİ İŞBİRLİĞİ MERKEZLERİ PLATFORMU

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

its unique model to bring the university together with industry, state, research and development, innovation, entrepreneurship, and knowledge transfer.

Izmir Democracy University (IDU)

Izmir Democracy University was established in 2016 with a vision to be a university that shapes the future with its qualified studies in the fields of education and research. It has 10 faculties, and 3 vocational schools, namely faculty of Dentistry, Education, Arts and Sciences, Fine Arts, Law, Economics and Administrative Sciences, Architecture, Engineering, Health Sciences and Medical School

Izmir Institute of Technology (IYTE /IZTECH)

The Izmir Institute of Technology (IYTE / IZTECH) was established in 1992 to offer higher education and carry out research in the fields of science and technology on a campus of 8,600 acres, 32 acres of which are currently dedicated to education and research. IZTECH is divided into three faculties and one graduate school. Education and research are carried out in 18 undergraduate programs, 27 master's programs and 19 doctoral programs. 8 of the master's programs and 4 of the doctoral programs are interdisciplinary. IZTECH has a total of around 5298 students, 6769 of which are undergraduates.

Education and research conform to international standards through student-centered, project-based education methods aiming to help students become modern researchers, inventors and entrepreneurs who embrace teamwork and produce innovative technology in laboratories equipped with the latest technology to help students advance in their respective fields. Another on-campus institution that supports our mission to contribute to the fields of science and technology is the "Izmir Technology Development Zone," called Teknopark, which has become synonymous with the institute itself. About 181 technology companies operate within Teknopark. Students participate in research and complete internships with these companies in their fields of interest. This helps them to establish connections and jump-start their entrepreneurial careers. Post-graduation, students can open their own companies within or outside of Teknopark thanks to their hands-on experience.

Izmir University of Economics (IUE)

IUE founded in 2001 by the Izmir Chamber of Commerce Education and Health Foundation, is the first private university in the Aegean Region. IUE bridges the gap between academia and industry, fostering applied research, innovation, and technology-driven solutions to real-world challenges with strong ties to the business and industrial sectors. The University offers a diverse academic experience through an interdisciplinary approach, encompassing 8 faculties, 2 schools, 3 vocational schools, and a graduate school. It is a young university which has adopted an active strategy for IP and Commercialization of research results in the



ÜNİVERSİTE - SANAYİ İŞBİRLİĞİ MERKEZLERİ PLATFORMU

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

last 3 years with its roles in national and international projects through its 12 research centers.

Strengthening its innovation ecosystem, IUE also has a Technopark (Izmir Bilimpark), providing an incubator for startups and facilitating collaboration between academia and industry. This hub serves as a catalyst for research-driven entrepreneurship, supporting technology-based enterprises and fostering the commercialization of innovative ideas.

Izmir Katip Celebi University (KCU)

Katip Çelebi University was established in 2010 and has 14 faculties, namely faculty of Dentistry, Pharmacy, Economics and Administrative Sciences, Religious Studies, Engineering and Architecture, Forestry, Aquatic Products, Arts and Design, Law, Health Sciences and Medical School, Tourism, Social Sciences and Humanities. It currently has 20,184 students, 1163 academic and 597 administrative staff.

About Our Host

Kentimiz Izmir Derneği

“Kentimiz Izmir” Association is a non-governmental organization working for the preservation and survival of Izmir's tangible and intangible cultural heritage, in short, Izmir's urban values.

The story of the association begins in 2012 with the gathering of opinion leaders who produced projects for Izmir and worked for the protection of its values. With the hope of finding a solution to their common concerns, the founders have established the Our City Izmir Association to prevent the loss of 8,500 years of historical and cultural heritage.

Researchers by University

Title	Name (Alphabetical Order)	Institution
Prof. Dr.	Fazilet Vardar	USIMP / IUE
Prof. Dr.	Funda Tihminlioğlu	IYTE
Prof. Dr.	Mustafa Erol	DEU
Prof. Dr.	Ozan Ünsalan	EU
Prof. Dr.	Özgür Seydibeyoğlu	KCU
Prof. Dr.	Serdal Temel	EU
Prof. Dr.	Sinan Akgöl	EU
Prof. Dr.	Soner Çeliksaş	EU
Prof. Dr.	Suphi Öncel	EU
Prof. Dr.	Zeynep Şenyiğit	KCU
Assoc. Prof. Dr.	Aylin Şendemir	EU
Assoc. Prof. Dr.	Hüseyin Cumhuri Tekin	IYTE
Assoc. Prof. Dr.	İstem Berk	DEU
Assoc. Prof. Dr.	Mehmet Yağmurdokardeş	IYTE
Assoc. Prof. Dr.	Mine Güngormüşler	IUE
Assoc. Prof. Dr.	Sercan Acarer	KCU
Assoc. Prof. Dr.	Tuğba Keskin Gündoğdu	IDU
Dr	Aylin Albayrak	DEU
Dr	Salih Alper Akalın	DEU
Support Team		
	Beliz Özüt Dernek	BC Partnering
	Çetin Akın	BC Partnering

Turkish Participants



Prof. Dr. Fazilet Vardar, *Vice President of USIMP Executive Committee, Board Member of ATTP and Coordinator for Research Partnerships and Innovation, Izmir University of Economics*

Prof. Fazilet Vardar is a Chemical Engineer with a Ph.D. in Biochemical Engineering from University College London. She was the Director of Ege University TTO and Coordinator of Enterprise Europe Network for 18 years and the Director of SUNUM Sabancı University Nanotechnology Research and Application Center between 2017-2024. She has RTTP Certificate and EuKTS

Grandfather Certificate and she is also the vice president of USIMP and represents Turkey on ATTP Board, AUTM Strategic International Committee and ASTP -NAAC.

As an academic, she has 200+ publications, three patents and she is the holder of 1989 Turkish Scientific and Technological Council Incentive award in Bioengineering. She was the founding head of the Ege University Bioengineering Department until 2017 and has been involved in 80+ projects throughout the years. With her long experience in academic research, valorisation of research outputs as well as research management, she is also currently one of the EU Research Management Road Map Ambassadors for Turkey.



Prof. Dr. Funda Tihminlioğlu, *Department of Chemical Engineering, Izmir Institute of Technology*

Prof. Tihminlioğlu is a Chemical Engineer. Her research laboratory focuses on the development of polymer-based films, coatings, and porous 3D materials for various industrial applications through the design and control of structure-property relationships. Their work includes creating sustainable solutions for the packaging and plastics industries by enhancing physical and barrier properties while reducing environmental impact. In addition, their research involves the

development of functional biomaterials for tissue engineering applications using several techniques including freeze dryer, electrospinning and 3D bioprinting, particularly for bone, cartilage, and skin tissues, by mimicking native microstructures and introducing functional feature.



Prof. Dr. Mustafa Erol, *Department of Metallurgy and Materials Engineering, Dokuz Eylul University*

Prof. Dr. Mustafa Erol is a leading researcher in Metallurgical and Materials Engineering at Dokuz Eylul University, focusing on the synthesis and application of advanced functional nanomaterials. His work centers on the development of novel materials in areas highly relevant to the symposium, including Advanced Materials Science and Nanotechnology for Energy and Catalysis.

Key research areas include the fabrication of metal oxide nanostructures (ZnO, TiO₂) for photocatalytic degradation of pollutants and development of flexible temperature and biosensors using carbon-based nanocomposites. Recent efforts also focus on high-performance materials for Electromagnetic Interference (EMI) Shielding and advanced hole transporting layers for Perovskite Solar Cells.



Prof. Dr. Ozan Unsalan, *Department of Physics, Ege University*

Prof. Dr. Ozan Ünsalan is a physicist specializing in molecular spectroscopy and planetary materials science. His research integrates FTIR and Raman spectroscopy, microscopic techniques (AFM, SEM-EDS) with DFT and molecular modeling to explore biomolecular interactions, meteorite mineralogy and cultural heritage materials. Recently, having completed postdoctoral research at NASA Johnson Space Center (Astromaterials Research&Exploration Science Division), he has authored over 50 SCI papers on molecular modelling, meteoritics, and planetary materials. His interdisciplinary work bridges biophysics, astrochemistry, and materials science, pioneering advanced spectroscopic and computational approaches for biomedical and planetary research with strong international collaboration for over 25 years.



Prof. Dr. Özgür Seydibeyoğlu, *Department of Materials Science and Engineering, Izmir Katip Celebi University*

Prof. Dr. Özgür Seydibeyoğlu is a Full Professor (h-index of 26 and i10 index of 48, with more than 3000 citations to his publications) in the Department of Metallurgical and Materials Engineering at Izmir Katip Celebi University with experiences in various foreign countries including Scandinavia (Norway, Sweden), North America (Canada, USA), South Africa and recently Central Europe with a new European Union (EU) project and a second EU project with Poland is on the way. Dr. Seydibeyoglu is working on composite materials in various forms (metal and polymer matrix composites (particle reinforced), sandwich structure composites, and fiber reinforced composites) for structural composites and has special expertise on sustainable polymers, eco-friendly fibers (including nanocellulose), and circular economy & materials solutions including life cycle assessment studies. Moreover, he has interests in biomedical materials.



Prof. Dr. Serdal Temel, *Entrepreneur and Innovation Policy Advisor and Department of Chemical Engineering, Ege University*

Dr. Serdal Temel is a Professor of Innovation and Entrepreneurship at Ege University (İzmir, Türkiye). Between 2000 and 2018, he served in several leadership roles at the Ege University Technology Transfer Office (EBİLTEM-TTO), including Expert, Deputy Director, and Director. He also managed the Innovation Relay Centre (IRC) Project funded by the European Commission and later became the Coordinator of the Enterprise Europe Network (EEN) — the world's largest business, technology, and research collaboration network — a position he held until 2021. Under his leadership, EEN Türkiye enabled numerous cross-border technology transfer and innovation partnerships between Turkish and European SMEs, establishing itself as a key node in international innovation ecosystems. Under this initiative, Dr Serdal Temel was appointed as a Technology Transfer Mentor by the European Commission, he contributed to the development of national technology transfer systems in Albania (2013–2014) and Russia (2015).

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

Dr. Temel is the Founding Head of the Department of Innovation and Entrepreneurship at Ege University and has served as a visiting researcher at Southampton Business School (UK), Aston Business School (UK), and Delft University of Technology (Netherlands).

He has authored over 50 peer-reviewed publications in high-impact international journals, focusing on innovation management, technology transfer, and entrepreneurship, and continues to contribute to both academic research and practice through mentoring, policy advising, and innovation ecosystem development.

Beyond academia, Dr. Temel is a co-founder of a MedTech start-up specializing in the development of innovative medical devices. The company holds six patents and has successfully commercialized four products with international market potential.

Dr. Temel is open to international collaboration with scholars, policy makers, and innovation practitioners who share an interest in academic entrepreneurship, research commercialization, and intellectual property (IP) management. He is particularly keen on exploring new models that bridge the gap between research and market, foster university–industry collaboration, and enhance the societal impact of academic research.



Prof. Dr. Sinan Akgöl, *Department of Biochemistry, Ege University*

Prof. Dr. Sinan Akgöl established the Biorege Polymeric Nanosystems and AI Assisted Applications Laboratory in 2005, pioneering research on polymer-based nanomaterials for biomolecule purification, bioseparation, and biosensor design. His team develops smart polymeric nanoparticles, microspheres, membranes, and magnetic carriers applied in protein isolation, enzyme purification, pesticide and toxin removal. Current efforts integrate artificial intelligence to optimize nanobiosensor performance and process optimization. With over 148 publications, 11 patents, and 3,700 citations (hindex: 37), his work bridges polymer chemistry, materials science, and bioengineering toward sustainable molecular recognition and intelligent separation systems.



Prof. Dr. Melih Soner Çelikaş, *Institute of Solar Energy, Ege University*

Prof. Dr. Çelikaş is a researcher at Ege University Solar Energy Institute in İzmir, Türkiye, and the founder of the Advanced Smart Biomaterials and Energy Research Group (ASBERGLab). His innovative work bridges renewable energy technologies, smart materials, and circular economy principles. At ASBERGLab, he pioneers cutting-edge research on photovoltaic (PV) panel recycling and upcycling, transforming various waste materials into high-value products and sustainable energy solutions. His interdisciplinary expertise integrates materials science, thermodynamics, and sustainability, advancing resource-efficient and environmentally responsible strategies for the global clean energy transition.

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

**Prof. Dr. Suphi Öncel**, *Department of Bioengineering, Ege University*

Prof. Dr. Suphi Öncel is a chemical engineer with a MSc and a PhD in bioengineering. He is currently working as a Professor in the Ege University Bioengineering Department (Izmir, Türkiye). His research areas focuses on bioprocesses, bioreactor design, green energy engineering, renewable energy, microalgal biotechnology and bioprocess scale-up. Other than his contributions to various national and international projects and student thesis, he is continuing his teaching responsibilities from bachelors to PhD level. He has also edited books with specific focus on the sustainable green future vision. Prof. Dr. Suphi Ş. Öncel having different research articles, patents and book chapters is also in Stanford/Elsevier top 2% scientists list in both single year and career in the field of to biotechnology and energy.

**Prof. Dr. Zeynep Şenyiğit**, *Department of Pharmaceutical Technology, Izmir Institute of Technology*

Prof. Dr. Zeynep Şenyiğit is a faculty member at İzmir Kâtip Çelebi University, Faculty of Pharmacy, Department of Pharmaceutical Technology. She received her BSc, MSc, and PhD degrees from Ege University Faculty of Pharmacy. Her research focuses on drug delivery systems, nanotechnological formulations, mucoadhesive and targeted drug release systems. She has served as principal investigator and researcher in several TÜBİTAK- and BAP-supported projects and has published more than 50 articles and book chapters in national and international journals. Appointed as a professor in 2023, she has been serving as the Dean of the Faculty of Pharmacy since 2024.

**Assoc. Prof. Dr. Aylin Şendemir**, *Department of Bioengineering, Ege University*

Dr. Şendemir is a mechanical engineer and principal investigator of Ege Research Group of Biomaterials and 3D Biointerphases (EBioPhase). Her research interests include interactions of mammalian cells with functionalized biomaterials, tissue engineering and mechanobiology. She is particularly interested in design and production of *in vitro* tissue engineered disease models for pharmaceutical screening and minimizing animal testing. She has experience *in vitro* modeling of neurodegenerative diseases, blood-brain barrier pathologies, spinal cord injury, diabetic skin wounds and tumoroids. She is a founding member of Turkish Biodesign Team (TBT) and investigates the hierarchical microstructure and form/function relationship within different tissues.

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

Assoc. Prof. Dr. Hüseyin Cumhuri Tekin, *Department of Bioengineering Laboratory of Biomedical Micro and Nanosystems, Izmir Institute of Technology*

Dr. Tekin's research focuses on developing miniaturized biomedical systems that integrate microfluidics, magnetic manipulation, intelligent imaging, and wearable technologies for point-of-care diagnostics and cell-based studies. They design lab-on-a-chip platforms for automated biomarker detection and magnetic levitation-based systems for label-free cell characterization, rare cancer cell sorting, and viability assessment. Deep learning algorithms support automated image analysis and physiological signal interpretation from wearable sensors. Beyond diagnostics, they employ magnetic levitation for scaffold-free 3D tissue fabrication and microgravity simulation. Their translational efforts aim to integrate these technologies into telemedicine-enabled health monitoring and accessible diagnostic solutions.



Assoc. Prof. Dr. İstemi Berk, *Department of Economics, Dokuz Eylül University*

Dr. İstemi Berk is an Associate Professor of Economics at the Faculty of Business, Dokuz Eylül University. His research focuses on energy and environmental economics, economic growth, and the circular economy, employing quantitative approaches such as partial equilibrium modeling, empirical analysis, carbon accounting, techno-economic assessment, and life-cycle evaluation. He served as the Technology Transfer Office (TTO) Coordinator between 2022 and 2023 and currently heads the university's Scientific Research Projects (SRP) Office. Since April 2024, he has been a partner at NANORES Ltd., providing consultancy to manufacturing firms on the European Green Deal and the Carbon Border Adjustment Mechanism (CBAM).



Assoc. Prof. Dr. Mehmet Yağmurcukardeş, *Department of Photonics, Izmir Institute of Technology*

Low-dimensional materials are central to advanced materials research and show great promise for applications in sustainable energy, catalysis, and nanotechnology. Their research focuses on the first principles investigation of zero-, one-, and two-dimensional materials, as well as bulk counterparts using density functional theory. They systematically explore the structural, magnetic, vibrational, electronic, optical, mechanical, and piezoelectric properties of these materials. To reveal the impact of external perturbations, they study the effects of strain, defects, charge doping, and hydrostatic pressure. Moreover, XRD, Raman, and STM simulations establish a strong connection with experiments, while quantum molecular dynamics simulations examine thermal behavior at finite temperatures.

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

Assoc. Prof. Dr. Mine Güngörmüşler, *Department of Genetics and Bioengineering, Izmir University of Economics*

Dr. Güngörmüşler is an Associate Professor of Bioengineering at Izmir University of Economics with academic training in Türkiye, Italy, and Canada. Her research integrates environmental microbiology, biohydrogen production, sustainable bioprocess design, and life cycle assessment (LCA) to address global energy and waste challenges. She coordinates national research projects and serves as a Management Committee member in EU funded COST Actions LIAISE and MultiViewLCSA. In 2024, she was an International Excellence Fellow at Karlsruhe Institute of Technology, conducting environmental LCA for biohydrogen production. She actively mentors young scientists and promotes interdisciplinary collaboration toward advancing sustainability and the circular bioeconomy.



Assoc. Prof. Dr. Sercan Acarer, *Department of Energy, Izmir Katip Celebi University*

Dr. Sercan Acarer is an Associate Professor of Mechanical Engineering at Izmir Katip Çelebi University, specializing in turbomachinery aerodynamics, gas turbine technologies, and renewable energy systems. He earned his doctoral degree from Izmir Institute of Technology, following a Research Master with honors at the von Karman Institute for Fluid Dynamics, and has extensive industry experience as a Lead Aerodynamics Engineer at Tusaş Engine Industries (TEI), where he contributed to transonic fan and compressor design, power turbine development, and aerothermal assessments for major engine programs. His academic and industrial research spans turbomachinery design methods, CFD modeling, effusion cooling, wind turbine aerodynamics, and novel additively manufactured engine concepts, supported by numerous national and international projects including NATO SPS grants. Dr. Acarer is the founder and manager of SLC Fluidics Ltd., has authored many SCI-indexed publications, received the ASME Turbo Expo 2022 Best Paper Award, and continues to supervise graduate research while teaching a broad range of thermal-fluid sciences and propulsion courses.



Assoc. Prof. Dr. Tuğba Keskin Gündoğdu, *Department of Industrial Engineering Izmir Democracy University*

Dr. Keskin Gündoğdu is a chemical engineer with a PhD in Bioengineering, currently working at the Faculty of Engineering, Izmir Democracy University. Her interdisciplinary research focuses on sustainable bioprocess and biofuel technologies, waste-to-resource valorization, and circular bioeconomy applications. She develops integrated microbial conversion systems for transforming gaseous and solid wastes into bio-based chemicals and biofuels, integrating life cycle assessment (LCA) and techno-economic evaluation. As co-founder of HOPE Biotechnology, she leads TUBITAK and EU-supported projects on green technologies, syngas fermentation, and circular material innovations.

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

Prof. Dr. Aylin Ziylan Albayrak, *Department of Metallurgy and Materials Engineering, Dokuz Eylul University*

Dr. Ziylan Albayrak is a polymer chemist at Dokuz Eylul University specializing in biopolymers, biocomposites, polymeric nanofibers and hydrogels. She has developed innovative scaffold systems for bone, cartilage, and meniscus repair using biodegradable polymers, natural materials and nanofiber-reinforced hydrogels. She has recently extended her work to piezoelectric biomaterials for advanced tissue regeneration. She is also interested in recycling of polymers for a more sustainable world. She has led several TÜBİTAK and BAP funded projects and supervised numerous graduate theses. Professor Ziylan's studies integrate polymer chemistry, materials engineering, and sustainability for innovative and functional material systems in biomedical and industrial fields.



Dr. Salih Alper Akalın, *Researcher, Dokuz Eylul University*

Dr. Akalın is a materials scientist at Dokuz Eylül University working on advanced materials, green energy technologies, nanotechnology for catalysis and energy, and functional smart materials. His research focuses on perovskite solar cells, oxide/metal/oxide transparent electrodes, and hyper-crosslinked polymer catalysts for sustainable hydrogen generation. He completed postdoctoral research at Universidade Nova de Lisboa (CENIMAT) with TÜBİTAK 2219 support and has authored more than fifteen SCI-indexed publications. In addition to his academic role, he has served as a University-Industry Collaboration Expert, promoting the integration of university-based scientific knowledge into industrial innovation.

SUPPORT TEAM



Beliz Özüt Dernek, *Cofounder of BC Partnering and Business Development and Commercialisation Unit, Izmir Biomedicine and Genome Center*

Beliz ÖZÜT is a Chemist from Faculty of Science at İzmir Institute of Technology. Following her bachelor's degree, she completed a program in Business Management at the University of California, San Diego. Between 2013 and 2021, she worked as a Technology Transfer Professional at Ege University Technology Transfer Office. She later earned her Master's degree in R&D and Innovation Management from Dokuz Eylül University. Currently, she serves as the Head of the Business Development and Commercialisation Unit at İzmir Biomedicine and Genome Center (IBG) on a part-time basis. In parallel, she is the Co-Founder of BC Partnering, a consultancy company established in 2021. Her professional focus lies in providing consultancy and information services to SMEs and researchers on Framework Programmes and international R&D and innovation funding schemes. She assists in the preparation of proposals, Grant and Consortium Agreements, and offers contractual, financial, and reporting support for internationally funded projects. Additionally, she contributes to the development and implementation of university strategy documents and coordinates nationally funded, large-scale institutional projects.



Çetin Akın, *Co-Founder of BC Partnering, Partner of FindOpenCalls*

Çetin AKIN is a technology transfer professional with more than 20 years of experience in research, innovation, and technology transfer. Throughout his career, he has developed models that strengthen university–industry–government collaboration and has led the design, management, and commercialization processes of numerous national and international R&D and innovation projects.

AKIN began his professional career in 2007 as a project manager at the Project Management and Support Unit of Dokuz Eylül University. Between 2013 and 2021, he served at EBİLTEM-TTO as project specialist, Head of the Project Unit, and ultimately as General Coordinator. From 2021 to 2025, he worked as the Director of the Business Development and Commercialization Center at the İzmir Biomedicine and Genome Center (IBG), where he oversaw the institution's strategic business development, commercialization, and project portfolio processes.

As the co-founder of BC Partnering, AKIN provides strategy development, project design, innovation management, and institutional capacity-building services to research infrastructures, entrepreneurship ecosystems, and technology development organizations. He is also a partner of Fintech Factory, a specialized acceleration program in financial technologies. In addition, as the business development partner of the innovative funding discovery platform Find Open Calls, he manages product design, business model development, and growth strategies.

Chinese Participants

From Key Laboratory of Molecular Nanostructure and Nanotechnology, Institute of Chemistry, Chinese Academy of Sciences.

1. **Prof. Chunli BAI:** Honorary President of the Academic Division of the Chinese Academy of Sciences (CAS) and former President of CAS, Founding President of the Alliance of International Science Organizations (ANSO)
2. **Prof. Dong WANG:** Deputy Director of the Key Laboratory of Molecular Nanostructure and Nanotechnology at ICCAS. His research focuses on the precise construction and atomic-scale characterization of functional molecular nanostructures at interfaces.
3. **Prof. Anmin CAO:** A distinguished scientist specializing in the precise control of nanoscale electrode material surface/interface structures.
4. **Prof. Jinsong HU:** A distinguished scientist expert in high-performance non-precious metal electrocatalysts.
5. **Prof. Sen XIN:** A leading talent scientist working on secondary battery energy storage electrochemistry, interfacial chemistry, and isotope electrochemistry.
6. **Prof. Ying ZHANG:** Her research focuses on developing novel intelligent thermal-responsive flame-retardant polymers for enhanced battery safety. She serves as the Principal Investigator of the CAS-TÜBİTAK joint project and concurrently as the scientific secretary to Academician Chunli BAI.

From ANSO (Alliance of International Science Organizations):

7. **Mr. Bo JIA,** Deputy Executive Director, ANSO Secretariat
8. **Ms. Zhongxiu WANG,** Deputy Head, Division of Membership and Capacity Building, ANSO Secretariat

From ITTN (International Technology Transfer Network):

9. **Mr. Xin JIANG,** Vice Director
10. **Mr. Muqian (Liam) LI,** Chief Researcher



ÜNİVERSİTE - SANAYİ İŞBİRLİĞİ MERKEZLERİ PLATFORMU

UNIVERSITY-INDUSTRY COLLABORATION CENTRES PLATFORM OF TURKIYE

Overview of Turkish - Chinese R&D Collaboration Supports

Although limited, there are several funding opportunities that institutions from Türkiye and China can jointly benefit from. These funds may be financed by the governments of both countries, as well as by international organizations, foundations, and associations.

The session will highlight various joint funding opportunities, including the TÜBİTAK–NSFC and TÜBİTAK–CAS bilateral cooperation programmes, co-funding mechanisms available under Horizon Europe, and additional international funding schemes. Participants will gain insights into ongoing and upcoming calls, thematic priorities, and mechanisms that support collaborative research initiatives.