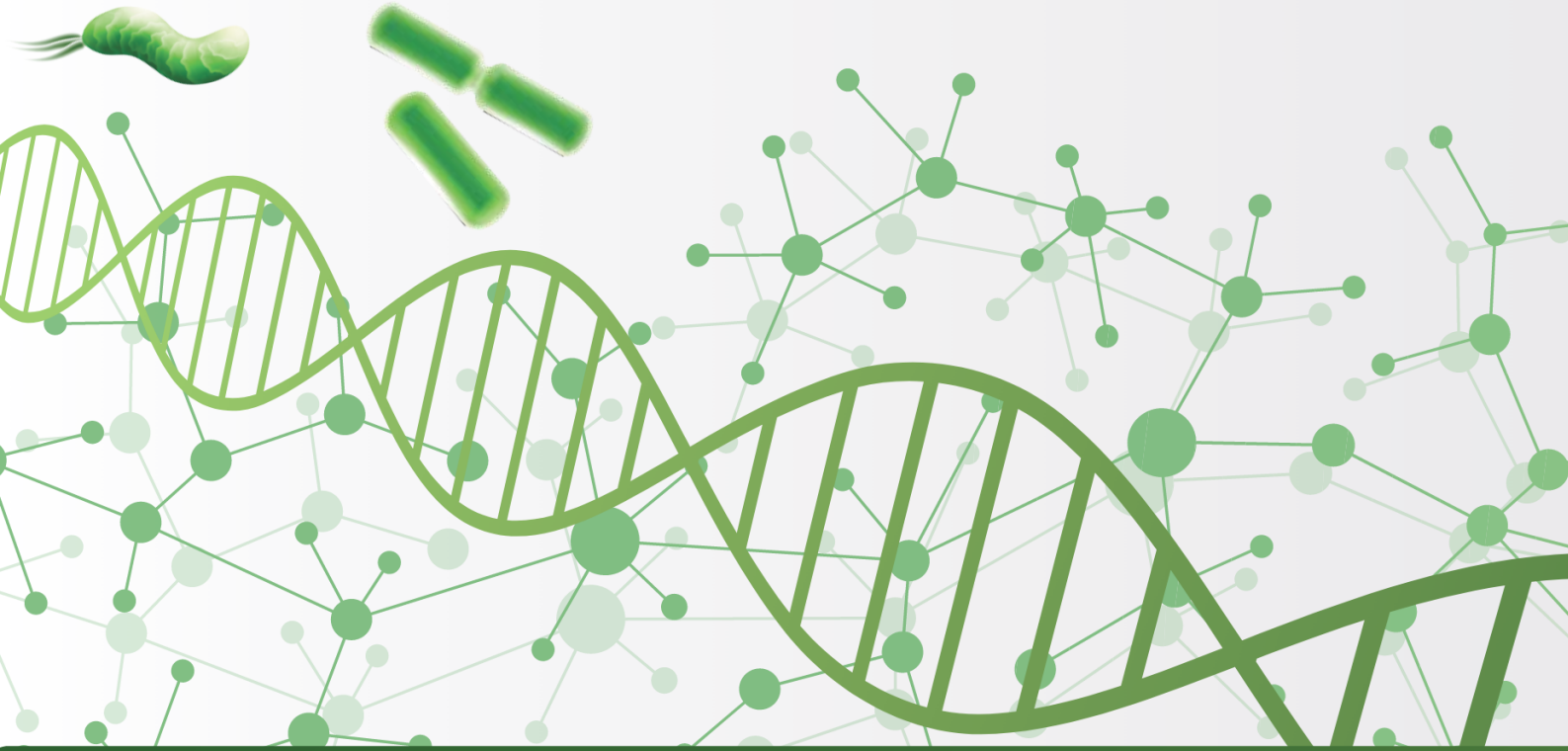


Faculty of Engineering
Department of Genetics and Bioengineering

WORKSHOP ON BIOHYDROGEN

RECENT ADVANCES ON METABOLISM
AND BIOPROCESSING



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Start Time	End Time	Agenda	Speaker
09:00	09:30	Registration	
09:30	10:00	Introduction/Welcome <i>TUBITAK-CAYDAG Project No: 120Y069</i> "Development of the biotechnological production process of hydrogen via synthesis gas fermentation of thermophilic isolates obtained from thermal water resources" Experiences and Outcomes	Assist Prof. Dr. Mine Güngörmüşler, Izmir University of Economics, Turkey MSc Student, Seyma Ersoy, Izmir University of Economics, Turkey MSc Student, İlayda Akacı, Izmir University of Economics, Turkey
10:00	10:20	An overview of hydrogen utilization and different examples, Q&A	Kerli Kirsimaa, Green transition advisor, Tallinn University of Technology, Estonia WIGH: (Women in Green Hydrogen Energy Network participant)
10:20	10:40	Biohydrogen production methods	Assoc. Prof. Dr. Tuğba Keskin Gündoğdu, Izmir Democracy University, Turkey
10:40	11:00	Future prospects on hydrogen production: Application of Bioelectrochemical system	Dr. Haris Nalakath Abubakar, Independent Researcher, A Coruña, Spain
11:00	11:20	Use of nanopore sequencing for metagenomics of H ₂ producers	Assoc. Prof. Dr. Osman Doluca, Izmir University of Economics, Turkey
11:20	12:00	Sectoral presentations	Massive Bioinformatics, Turkey Redoks Lab, Turkey
12:00	12:30	Break	
12:30	15:30	<i>Working groups case study (Awarded)</i> Conventional hydrogen and novel biohydrogen production techniques: Defend your group's hydrogen technology 1. electrolysis 2. thermochemical production 3. biotechnological-biophotolysis 4. biotechnological-dark fermentation, Water-gas shift 5. biotechnological-photo fermentation	<i>Moderated By:</i> Mine Güngörmüşler, Tuğba Keskin Gündoğdu <i>Awarded Workshop</i>
15:30	17:00	Working Group Presentations	
17:00	17:30	Closing remarks, certification and award ceremony	