

CURRICULUM VITAE

PERSONAL INFORMATION

Name : Sinem Çabuk
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WORK EXPERIENCE

01.2021- ...- Freelancer Environmental Consultant

Strong business development professional skilled in Project Management, Wastewater Treatment Plant, Sludge Disposal and Drying Systems, Water Treatment Systems, Waste Management, Hazardous and Non-hazardous Wastes, Sustainable Development, Energy, Environmental Compliance, Legislation and Regulations, Environmental Impact Assessment, Sustainability and Climate Change, Greenhouse Gas Emissions and also GHG Accounting Expert.

İzmir Free Zone Founder & Operating Corporation

İzmir Free Zone was established in 1997 and it is providing investment areas for different sectors like leather processing, machinery, chemical, food, electronics, wind turbine blades, liquid fertilizer and furniture with wastewater treatment Plant with 9.000Ton/day capacity. And also, İzmir Free Zone gives occupational Safety and Health Center, Electric, Natural gas service and landfill services for companies' wastes.

01.2013-12.2020- Environmental and Infrastructure Manager

- Managing a team of 42 colleague; control of chiefs and subunits, organize their duties and responsibilities and prepare the required work environment of them under the authority granted.
- Following technological developments related to environmental and infrastructure, evaluate and prepare the applicable projects and their budgets.
- Communicating with the native & foreign well-known companies/customers to improve our services and plants.
- Negotiate and contact with Ministry of Environment and Urbanization.
- Control and inspection of our subcontractor companies.
- Provide a continuous supply of the environment and infrastructure and solutions for all kind of services offered to users in the zone without disruption.
- Management and control of operating costs (annual budget).
- Obtain the Ministry of Environment and Urbanization, and local permits for wastewater treatment, landfills, and solar drying system.
- Management, maintenance, meter readings and calculations of potable and process waters distributed in the free zone.

- Organize the Occupational Health, Safety, and Environmental Management Programs within the scope of Environmental Aspects, Impacts Assessment, Hazard Identification, Risk Assessment and Risk Control.
- Establish, implement and maintain an OHSMS & EMS in accordance with the requirements of the Standard (Safety -OHSAS 18001 & Environment ISO 14001, ISO 9001, ISO 14064-1 and ISO 16001)

- *Ongoing and Accomplishment Highlights:*

- ***Waste to Energy 2017 -;***

- Investigate the new technology for waste to energy.
 - To find the best solution of incinerator for sludge, tannery waste, composite waste (composite wind blade process waste), domestic waste etc.
 - Coordinating all aspects of pollution control, waste management, recycling, environmental health, conservation and renewable energy;

- **Project Manager of Wastewater Treatment Plant Revision and Operation with Italian company (Delt- Acque) 2017 -2018;**

- Wastewater treatment revision and renewal of the system working with Italian company (Delt-Acque).
 - To build, coordinate and complete the civil, mechanical and electrical works for the revision of wastewater treatment system.
 - 340,000 \$ cost saving by doing these all works by our staff.
 - To start-up and operate the system.

- ***Project Manager and Director of new building Landfills (Land-2, Land-3, Land-4, Land-5); 2013- 2020;***

- Project management of new wastewater sludge, composite waste (wind blade process waste) and tannery waste landfill construction. (Class I. and Class II.)
 - Operating and management of free zone wastes and new landfills.
 - Following and managing of landfills gasses, leaking water and ground-water.
 - Managing and operating of Class 1 Landfills (Land-1) (solid waste and wastewater treatment sludge disposal units) which is existed in İzmir Free Zone.
 - Closure of old landfill (full of capacity Land-1) with soil, geotextile, geonet, geomembrane.

- **Project Manager of Solar Drying system 2014-;**

- Investigate the best solution of sludge drying system.
 - Project manager of solar sludge drying plant with the capacity of 15 ton/day and financially supported by İzmir Development Agency (2.500 m² - accounted for 75% of total project cost).
 - To build, coordinate and complete the civil, mechanical and electrical works for solar drying system.

- Operating and management of solar drying system to supply 15 tons / day of sludge, which has 25% dry matter content formed in wastewater treatment plant is dried to, at least 70-80 % dry matter ratio.

Industrial Wastewater Treatment Plant Operation 2013-;

- Manage all aspects of İZBAŞ Izmir free zone wastewater treatment plant (9.000 m³/day), including: planning, operations, maintenance, developing budgets, managing improvement projects, employee development.
- Monitoring process parameters and plant troubleshooting.
- Optimization of treatment plant operations and maintenance.
- Fulfillment of legal obligations related to wastewater treatment and discharge parameters.
- Manage, assign and train the environmental department staff.
- Maintain the operational conditions of the wastewater treatment plant in a high level of performance.
- Minimizes operational cost while maximizing efficiency and maintaining safety and environmental compliance
- Determination of repair requirements necessary for scheduled repairs or break in situations.

Pınar Entegre Et Sanayi A.Ş.

Pınar Entegre Et A.Ş, a member of Yaşar Holding one of the leading enterprises in Turkey, is the first integrated meat facility satisfying the world EU norms.

2009- 2012 – Environmental Specialist, Quality Assurance Department

Environmental Specialist, responsible for;

- Member of sustainable group and coordinate calculation of greenhouse gas emissions
- Fulfillment of legal obligations related to Environmental Management Systems.
- Controlling the usage of the natural resources and management of wastes according to legal regulations.
- Management of wastewater treatment plant to ensure desired standard determined by the legal regulatory institutions.
- To prepare Environmental sustainability report of company.
- Determine sources of greenhouse gas emissions and calculation of greenhouse gas emissions conducting greenhouse gas emissions, water, and waste inventories enterprise wide.
- Monitor the level of air, noise & water pollution and initiate need-based measures in case they supersede the pre-set parameters.
- Try to make operational cost improvement works and encourage your employee to improve these studies.
- Research and analysis for purchasing the new environmental systems and machines.
- Responsibility of fulfilling all statutory requirements related to Safety, Health and Environment.

- To conduct safety audits, inspections, risk assessments & Hazard and Operability (HAZOP) studies.
- Carry out the projects based on the standard of Safety -OHSAS 18001 & Environment ISO 14001, ISO 9001 ISO 14064-1 and ISO 16001.

Deniz Su ve Atık Su Arıtım Tic. San. AŞ. (Aquamatch / Turkey)

Aquamatch Turkey, is a professional company on the design of systems to produce water in desired capacity with desired quality. Aquamatch proposes turnkey solutions regarding the treatment of all kind of water including ultrafiltering, nanofiltring, reverse osmosis, ozonizer systems.

2008- 2009 – Senior Environmental Engineer, Waste Water Recovery Department

- As a senior environmental engineer, designing of wastewater recovery projects and implementation of pilot studies, (Efes Pilsen A.Ş., Tüpraş A.Ş. etc.)

2006-2008- Senior Environmental Engineer, Special Projects Department

- Responsible for designing, manufacturing, installing and commissioning of system as a project engineer. This is a huge Ultra filtration (800m3/hr.) and desalination system (600m3 /hr.). The special system was installed for iron and steel industry (Çolakoğlu Metalurji A.Ş.) for using in their cooling lines.

2005-2006- Environmental Engineer, Industrial Solution Department

- Existing reverse osmosis, Ultra filtration and remineralization systems data control and solving their problems.

CERTIFICATE

- GHG Accounting Expert – 11.06.2021 (Turkish Standard Institute)
- German A2 Certificate (Goethe Institute) - 04.01.2019 -...
- Landfills Management and Business Authorization Certificate (from Environment and Urban Ministry)
- Dangerous Goods Safety Advisor (ADR Safety Certificate)
- Environmental Officer Certificate (from Environment and Urban Ministry)
- Occupational Safety Specialist (Class C)

TECHNICAL SKILLS

- Environmental and Infrastructure Management
- Team Management and Leadership

- Project Management
 - Operating Costs and Budgeting
 - Landfills
 - Waste Water Treatment and Solar Drying System
 - Potable and Process Waters
 - Hazardous and Domestic Wastes & Energy
 - Environmental Laws and Regulations
 - EHS Regulations and Standards (policies, safe work practices and safe work procedures)
 - Dangerous Goods Safety
 - ISO management systems
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EDUCATION

2003 - 2005 - Master of Science

- Izmir Dokuz Eylül University - Graduate School of Natural and Applied Sciences- Environmental Engineering. (English)
- Graduate Degree: 3,94 / 4,00
- Graduate Level: 1st

1999 – 2003 – Bachelor of Science

- Izmir Dokuz Eylül University - Environmental Engineering.(English)
- Graduate Degree: 3,52 / 4,00
- Graduate Level: 1st.

1991 – 1998 – High School

- Antalya Anatolia High School (English, Germany)
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PROJECTS & PUBLICATIONS

2007- Environmental Engineering Science:

Kinetics of Zinc (II) ion biosorption onto powdered waste sludge (PWS) at different operating conditions

2006- Enzyme and Microbial Technology:

Biosorption of Zinc (II) ions onto powdered activated sludge (PWS): Kinetics and isotherms

2006- Journal of Chemical Technology and Biotechnology:

Zinc (II) ion recovery by biosorption onto powdered waste sludge (PWS): Effects of operating conditions

2005- Dokuz Eylül University:

Determination of model parameters for zinc ion parameters onto powdered waste sludge (PWS) in a fed-batch system.

COURSES & SEMINARS

2018	IFAT Entsorga/Münih Wastewater, Water Sewer, Garbage and Recycling Fair (For waste to Energy Projects)	
2017	Integrated Management Systems - Internal Auditor Training: SC Global Certification- (including ISO 9001, ISO 14001, OHSAS 18001)	Can Cooperate Cons.
2016	Landfills Management and Business Education	Ministry of Environment and Urbanism
2015	Dangerous Goods Safety Advisor Training	Minister of Transport, Maritime Affairs and Communications
2015	Environmental Officer Training (Certificate renewal)	Ministry of Environment and Urbanism
2014	Solar Sludge Drying System Technical Visit to Germany	Huber SE Company
2014	IFAT Entsorga/Münih Wastewater, Water Sewer, Garbage and Recycling Fair	
2014	Occupational Safety Specialist (Class C)	Konak Central Academy
2013	Turkish-German Water Cooperation Days	İzmir Development Agency
2012	TS ISO 50001 Energy Management System Training	Turkish Standards Institute
2012	Waste Management Symposium	Ministry of Environment and Urbanism
2012	Carbon Disclosure Project Turkey 2012	CDP - IKMIB
2012	Pinar Meat Carbon Footprint Strategy Workshop	Global Tan Energy Limited
2011	Corporate Responsibility Education for Sustainability	Mikado Consultancy
2010	ISO 16001:2009 Energy Management System Training	Bureau Veritas
2010	ISO 14064-1 : 2006 Specification with guidance at the Organization level for quantification and reporting of greenhouse gas emissions and removals training	Bureau Veritas
2010	Integrated Management Systems - Internal Auditor Training (Including ISO 9001, ISO 14001, OHSAS 18001)	KALDEM Quality Cons.
2010	EFQM 2010 Excellence Model Education and Training	KALDEM Quality Cons.
2010	Material Flow Analysis and Eco-efficiency (Cleaner Production) UNIDO Eco-efficiency	EFA, TTGV, UNIDO
2009	Integrated Management Systems Education (ISO 9001, ISO 14001, OHSAS 18001)	KALDEM Quality Cons.
2009	Environmental Officer Training	Ministry of Environment and Forestry

COMPUTER SKILLS

Highly Proficient in Microsoft Office, AutoCAD, SAP/R3

LANGUAGE

English: Reading: Advanced, Writing: Advanced, Speaking: Advanced.

Germany: Basic (A2 level)

SOCIAL ACTIVITIES

Class B driving license

Volleyball player

Reading Books
