

Dr. Gülsen SARAY

Freelance Science Journalist & Science Writer;
WFSJ member; Board member of BNSJ; Associate Member of EFSJ; TJA member

Science Communicator, Political Scientist, and Civil Engineer



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Science Blog (developing): <https://imagine4science.blogspot.com>

**"Science Journalism is the gateway to world civilization,
and I believe in the enhancement of world civilization
through international science communication." Dr. G. Saray**

LANGUAGES SPOKEN and WRITTEN

Languages	Level	Institution	Country
Turkish	Academic proficiency	Native language	Turkey
English	Academic proficiency	Middle East Technical University, Advanced English	Ankara- Turkey
German	Academic proficiency	Cologne University of Applied Sciences, FH/TH Köln	Cologne - Germany
French	medium	Alliance Française	Paris- France
Ottoman Turkish	Advanced	Ministry of Education of Turkey	Ankara- Turkey

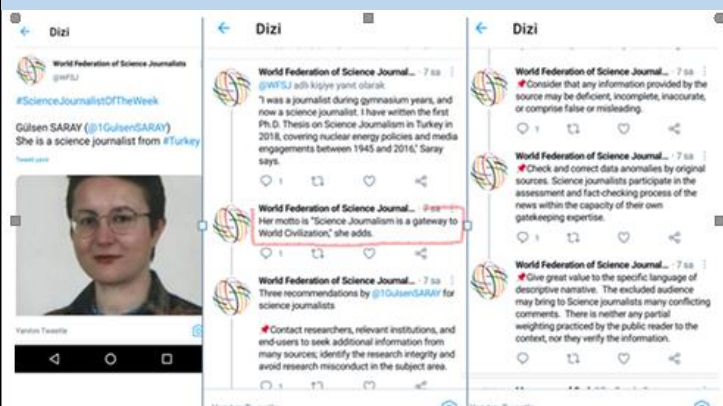
EDUCATION

Education level	Duration (months/year)	University and Country	Department Diploma	Grade
Ph. D.	09/ 2013 - 07/ 2018	GAZI University, Ankara-Turkey	Faculty of Communication, Journalism Studies	excellent
	First Ph.D. Thesis ever written on Science Journalism in Turkey!			
	09/ 2013 - 09/2014	GAZI University, Ankara-Turkey	Public Administration	Successful participation
M. A.	09/2011 - 01/2013	ATILIM University, Ankara-Turkey	Political Sciences and Public Administration	excellent
M. Sc. equivalent	06/1994 - 11/1996	RUHR University, Bochum-Germany	M.Sc. equivalent for FH engineers (Weiterbildungstudium)	Successful participation. Total 160 hrs.
B. Sc.	09/1986 - 06/1992	TH/FH-Köln University of Applied Sciences, Cologne- Germany	Civil Engineer (Diplom Bauingenieurin)	good
	First Turkish female civil engineer graduated from TH/FH-Köln, Cologne – Germany!			
Gymnasium	09/1970 - 07/1973	Cumhuriyet Lisesi , Ankara-Turkey	Science Department	good

She has a direct academic contribution both to engineering and social sciences as an exclusive first-hand academic study

CERTIFICATES of ATTENDANCE on SCIENCE JOURNALISM	
KNIGHT Center for Journalism, The University of Texas at Austin	
1. How to use ChatGPT and other generative AI tools in your newsrooms;	webinar on September 25 – October 22, 2023, by KCS – Texas, USA
2. Generative AI for Journalists: Discovering what data can do;	webinar on November 20 to December 17, 2023, by KCS –Texas, USA
KNIGHT Science Journalism Program at Massachusetts Institute of Technology, moderated by Joshua Hatch (Project Manager) and Deborah Blum (Director, KSJ@MIT) USA	
1. Fundamentals of Science, from Funding to Publishing;	webinar on September 23, 2021, by KSJ - MIT, USA
2. Using Social Media to Source and Spread Science Journalism;	workshop on August 26, 2021, by KSJ - MIT, USA
3. Editing Controversial and “Controversial” Science;	webinar on July 15, 2021 by KSJ - MIT, USA
4. Covering Climate and Environment;	webinar on May 20, 2021 by KSJ - MIT, USA
5. Covering Health Care – Covid and Beyond;	webinar on June 17, 2021 by KSJ - MIT, USA
6. Science Source: Where to Find Them and How to Vet Them;	webinar on April 15, 2021 by KSJ - MIT, USA

OUTLINE OF WORK EXPERIENCE LEADING TO A CAREER IN SCIENCE JOURNALISM			
Task	Field	Duration	Institution, Department and Country
Science Journalist columnist	Science communication	2020-2024	Freelance columnist at newspaper “24SAAT”; parallel to publications fostering academic research
Lecturer at University HBVU	Science and Technology Journalism	Fall 2019	HBV University, Communication Faculty, Ankara-Turkey
Lecturer of Science and Technology Journalism in Turkey as a Pioneer academic researcher.			
Tutor TH/FH Köln	Structural Analysis	1991	TH/FH Köln University of Applied Sciences, Civil Engineering by Prof. M. Andrie, Prof. Tinchert, Cologne-Germany
Research Assistant	Construction Management	1989 - 1991	TH/FH Köln University of Applied Sciences, Civil Engineering by Prof. J. Mantschegg, Cologne-Germany
Research Assistant	Building Materials Lab.	1988	TH/FH Köln University of Applied Sciences, Civil Engineering by Prof. Harig, Cologne-Germany
First Turkish female research assistant in Civil Engineering Department of TH/FH-Köln, Cologne - Germany			
Social counseling and part-time teacher	Language teaching to students, for the integration of Turkish laborers into EU standards living in Cologne-Germany	1986-1989	Youth Social Work and Language Association of Cologne (Jugend Sozialwerk und Sprachverband Köln) in coordination with DITIB in Cologne-Germany
Newspaper reporter and on-situ interviews	Journalism and publishing experience by the Yeni HALKCI (former ULUS) Newspaper	1971-1974	"Yeni Halkçı Gazetesi" was an iteration of the "Ulus" newspaper, first published on January 10, 1920, and continued as "Yeni Ulus" and "Halkçı". Ankara-Turkey

SCIENCE JOURNALIST of the WEEK	
	<p style="text-align: center;">promoted by the (WFSJ) World Federation of Science Journalists</p> <p style="text-align: center;">https://twitter.com/WFSJ (posted on 21 April 2021)</p> <p style="text-align: center;">https://wfsj.org/news/meet-the-members-gulsen-saray/ (posted on 1 March 2021)</p>

ONGOING EXECUTIVE STUDIES

She is currently doing research on the following subjects:

- **Science Journalism Guide 2025 for Turkey;**
- **Social reflections of space explorations and nuclear science applications;**
- **Indigenous Science Communication and Public Health;**
- **Legal problems encountered by the press or online science journalists during news reporting and the related local and international cases.**
- **Developing an interactive blog to report the world science events:** <https://imagine4science.blogspot.com/>
(Please ignore the sensitive content warning).

DIRECT ACADEMIC CONTRIBUTION TO ENGINEERING (B.Sc.)

SARAY, Gülsen (1992). **B.Sc. Thesis as Civil Engineer** at the TH/FH Köln-Cologne University of Applied Sciences, GERMANY. *Methoden für die Optimalen Arbeiten mit CAD (Methods for Optimal Working with CAD)*. Graduate Thesis at the Cologne University of Applied Sciences on preparing a system design and a coding map to optimize the CAD application for using STRAKON CAD system, which is integrated with structural analysis modul in the field of Civil Engineering. Supervisors: Prof. Hartmann and Dr. Ehlert. This work is written in the German language.

DIRECT ACADEMIC CONTRIBUTION TO SOCIAL SCIENCES (Ph.D.)

SARAY, Gülsen (2018). **Ph.D. Thesis** at Gazi University, Communication Faculty, Ankara-TURKEY. *Science Journalism in Turkey: Analysis of Nuclear Energy News Coverage of the Turkish Press Between 1945-2016. (Türkiye’de Bilim Gazeteciliği: 1945-2016 Arasında Yazılı Basında Yer Alan Nükleer Enerji Haberlerinin Analizi)*.

It’s the first Ph.D. Thesis ever written on Science Journalism in Turkey, and a leading research in the science communication and science journalism in Turkey regarding nuclear energy. The Dissertation aims to determine the reflection of the nuclear energy issues of the Turkish press between 1945 and 2016 by considering the relationship between “news representation” and “news reality” within the scope of science communication and science journalism in the axis of science, state, people and media. **Akkuyu-Nuclear Power Plant in Turkey** was taken as a case study. Media analyses were conducted such news framing and content analysis methods. SWOT analysis technique was used in the communication research to compare the **scientific truth** with the **media reality**. The news published by the three main frame media institutions are synchronized with the SWOT matrices of the AKKUYU-NPP.

ACADEMIC STUDIES, RESEARCHES AND ACTIVITIES IN THE FIELD OF SOCIAL SCIENCES

1. INTERNATIONAL CONFERENCES and PANELS in situ and online:

- **WCSJ-2019 Lausanne, Switzerland 1-5 July 2019, organized by WFSJ.** Dr. SARAY has been invited to the World Conference of Science Journalists, as a recipient of a travel fellowship by the courtesy of Mercator Foundation. Dr. Saray attended the Balkan Science Journalism Workshop, 2019, co-organized by the **Milan Center for Ethics in Science and Journalism**, the **Balkan Network of Science Journalism**, and the **EU Joint Research Centre (JRC) of the European Commission** as science writer and science journalist; engaged in seminar discussions and interactive sessions with researchers, science reporters, and editors from the region to discuss relevant scientific topics as well as investigative and data journalism, reporting on corruption and misconduct. The workshops are designed to build science journalism capacity and skills, as well as to promote excellence in science, health, and environmental coverage in Eastern Europe and the Balkans.
- **Türkiye Bilişim Derneği (TBD) 37th Informatics Congress on “Digital Reality and Society”.** 16-17 December 2020 Turkey, organized by Turkish Informatics Association; supported by the Ministry of Transport and Infrastructure and the Information Technologies and Communications Authority.
- **Geneva Science and Diplomacy Anticipation Summit; 2022, 12-14 October, Geneva – Switzerland** <https://gesda.global/summit-2022/>; Online participation. This summit brought together 1,000 scientists worldwide,

academic, diplomatic influencers, and leading minds and intellectual influencers in the citizen communities, presenting nearly 40 new scientific trends likely to be operational in 5, 10, 25 years. Keynote Speeches by Peter Brabeck-Letmathe (President of the GESDA Board) and Ignazio Cassis (Swiss President; Member of the Bundestag).

- **Global Science Journalism Forum 2022**, <https://sciencejf.com/> . Online participation. SJF is a global event where science journalists, writers, publishers, scientists, and academia can share new ideas and thoughts.
- **UN Climate Change Conference COP26, 1-12 November 2021**, hosted by the United Kingdom in Glasgow, England. Online participation. It brought together states, governments, businesses, civil society and the public to accelerate global action to tackle the climate crisis. The Forum COP26 program aimed to showcase the important role of public-private partnerships in achieving prosperity for humanity and a sustainable future for the planet. www.webarchive.nationalarchives.gov.uk
- **World Nuclear Fuel Cycle Forum (WNFC) April 26-27, 2022**, jointly held by the Nuclear Energy Institute and the World Nuclear Association. Online participation. It's the high-level international forum focused on increasing the economic competitiveness of nuclear power, providing companies with the latest information affecting the commercial nuclear fuel cycle. Leading industry experts provided the knowledge and insights to navigate the complex and changing fuel market. WNFC has also networked with senior industry executives.
- **Keynote speaker** of the **“Flying Cameras and Practical Applications in Turkey: DRONE Journalism Panel” (Uçan Kameralar ve Türkiye Pratiği: DRONE Gazeteciliği Paneli)** on **November 27, 2018** as science communicator organized by the HBVU in Ankara, Faculty of Communication. DGCA Air Navigation Authority, Anadolu Agency, and Turkey Radio and Television Corporation were represented.
- **Participation to support** at the sub-commission of **TUBAKKOM Law Panel, 1999. “Cooperation of Women Lawyers to Ensure Equality of Women by Legal Perspectives in order to Solve The Problems Encountered In Practicing Laws, organized by TÜBAKKOM in Ankara”** (Yasalarda Kadın Erkek Eşitliğinin Sağlanması ve Uygulamada Karşılaşılan Aksaklıkların Giderilmesi İçin Kadın Avukatların İşbirliği. Ankara Toplantısı). Turkish Bar Association of Women Law Commission, *20 March 1999 - 25 March 2000 Period Report. (Türkiye Barolar Birliği Kadın Hukuku Komisyonu Dönemi Raporu)*. Edt. Av. Nazan MOROĞLU, İstanbul TÜBAKKOM.. www.barobirlik.org.tr/dosyalar/duyurular/2015/20150620_tubakkomkitap.pdf
- **Keynote speaker** at the **Conference On Alternative Energy Sources, 1998** (solar, wind, biomass, and nuclear) held in Ankara-Turkey, organized by the Foundation of Turkish Technical Staff (TUTEV).

2. BOOK CHAPTERS PUBLISHED:

- SARAY Gülsen (2024). **Selected World Examples of Regional Development Agencies. Chapter 2: "GERMANY"**. Bölgesel Kalkınma Ajansları Seçilmiş Dünya Örnekleri. “ALMANYA”. Editor: Mehmet Akif Özer, İlker Karakoyunlu, Seçil Özdentürk. Yetkin Yayınları. ISBN 978-605-05-1816-0. Ankara. pp: 41-87.
- SARAY Gülsen (2021). **The Brave Mothers of Anatolia in the Ranks of the National Struggle -Special issue of Sebilürreşad newspaper on the 100th anniversary of Turkish independence. “Milli Mücadele Saflarında Anadolu'nun Yavuz Anaları”**. *Sebilürreşad Dergisi, İSTİKLALİN 100. YILI ÖZEL SAYISI* Münderecat. Recep 1442, 1062. Yıl:5, Sayı:55, 1 Mart 2021, Ankara: Yeniden Sebilürreşad ISSN: 1307-3796, pp: 39-42.
- SARAY Gülsen (2020). **Alphabet Changes in The Turkish Language: The current role of the media in terms of continuity in transferring Turkish civilization and culture. “Türk Dilinde Alfabe Değişiklikleri: Türk Medeniyeti ve Kültürünün Aktarımında Süreklilik Sağlanması Açısından Medyanın Güncel Rolü”**. 29-30 October 2020 Etimesgut International Turkish Culture and Art Symposium, Proceedings Book, Vol: 2. Editors: N. Güz; B. Ayhan; H.M. Eravci; M.S. Bilgin; M. Şahingöz. Etimesgut Belediye Başkanlığı Kültür Yayınları, Yayın No: 5, Cilt 2; ISBN: 978-9944-0677-4-4 (Tk) 978-9944-0677-6-8 (2.Cilt); pp 409-447. Ankara: Suer Yayınevi. www.etimesut.org/sempozum
- SARAY, Gülsen (2019). **Management and Leadership Approaches within the Media Ecology. Medya Ekolojisinde Yönetim ve Liderlik Yaklaşımları**. Chapter (13), 247-276. *Business and Economic Research Book 2019: Social Science, Management, Marketing, Accounting-Finance and Economics*. (edit: Ergün Kara). Ankara: Akademisyen Kitabevi.
- SARAY Gülsen (2018). **Vulgarization of Scientific Issues in Turkish Language. Türkçe’ de Bilimsel Konuların Sadeleştirilmesi. TÜRKKÜM - 2018. Uluslararası Türk Kültürü ve Medeniyeti Kongresi, 5-8 Eylül 2018 Tam Metin Bildiri Kitabı. International Congress of Turkish Culture and Civilization, 5-8 September 2018, Full Text Paper**. Balıkesir Aralık, 2018. Editor: Ahmet Uysal, organized by Burhaniye, Balıkesir University. 183- 191. ISBN: 978-605-68845-0-4. pp: 183-192 www.turkkum.org/

SARAY Gülsen & GÜZ Nurettin (2018). **Factors Affecting The Political Preferences of the Voters: An Investigation On The Etimesgut Example. Seçmenin Tercihlerini Etkileyen Faktörler: Etimesgut Örneği Üzerine Bir İnceleme.** *UTES 29-30 Mart 2018, Uluslararası Tarihte Etimesgut Sempozyumu Bildiri Kitabı* III.cilt, 336-354. (*UTES, 29-30 March 2018, International Etimesgut in History Symposium Proceeding Book* Vol.3, 336-354). Ankara: Etimesgut Belediye Başkanlığı. ISBN: 978-9944-677-3-7. www.tarihteetimesgut.org/

SARAY, Gülsen (2014). **Capacity Development in Turkey within the Framework of European Union and United Nations with the Impact of Globalization on Turkish Public Administration. Küreselleşmenin Türk Kamu Yönetimine Etkisi İle Birleşmiş Milletler ve Avrupa Birliği Çerçevesinde Türkiye'de Kapasite Geliştirme.** *Afro-Avrasya Coğrafyasında Kamu Yönetimi Uygulamaları ve Sorunları, KAYFOR XI 2013, 31 Ekim- 1 Kasım. Uluslararası Kamu Yönetimi Forumu Bildiriler Kitabı. (Public Administration Applications and Problems in Afro-Eurasian Geography, KAYFOR XI 2013, 31 October-1 November, International Public Administration Forum Proceedings Book).* Edit: Fatih Yüksel, Samsun 19 Mayıs University. Ankara: TODAIE Yayın-380. ISBN: 978-975-8918-62-1. pp: 446-466. www.todaie.edu.tr/yayinlar/kitap_goster.php?kodu=16#

SARAY, Gülsen (2013). **International Sanctions of the Globalization Process and “Customized Osmosis Event” in Bureaucracy Küreselleşmenin Uluslararası Yapırmaları ve Bürokraside Uyarlanmış Ozmos Olayı.** *Kamu Yönetiminde Değişim Ve Güncel Sorunlar, 60. Yılında TODAİE (Change in Public Administration and Current Problems, 60th Anniversary TODAİE).* Editor: Eyyub Günay İsbir. Ankara: TODAİE Yayın-372. ISBN: 978-975-8918-54-6. 241-287. www.todaie.edu.tr/yayinlar/kitap_goster.php?kodu=16#

3. ARTICLES PUBLISHED IN PEER-REVIEWED ACADEMIC JOURNALS and NEWSPAPERS:

SARAY Gülsen (2023). **Science Journalism is the gateway to the world civilization. “Medeni dünyaya açılan bir kapı: Bilim Gazeteciliği”.** A situational assessment of the global communication networks of science journalism of the Turkish-speaking countries. 2023-06-22 10:45:09 <https://24saatgazetesicom.teimg.com/24saatgazetesi-com/wp/uploads/2023/06/22-HAZIRAN-24-SAAT-MAIL.pdf>

SARAY, Gülsen (2019). **Development Journalism in Turkey Within The Scope Of Global Governance Approach And Administration-Media Relations. Küresel Yönetişim ve İdare-Medya İlişkisi Kapsamında Türkiye’de Kalkınma Gazeteciliği.** *Uluslararası İktisadi ve İdari İncelemeler Dergisi, (BOR Özel Sayısı), International Journal of Economics and Administrative Studies. KTÜ-İİBF.* March 2019, (SSCI Index, Econlit, DOAJ, EBSCO, ASOS, Copernicus, Tübitak, Ulakbim, Arastirmax, Akademik, idealonline, Sobiad). pp: 93-114. <https://dx.doi.org/10.18092/ulikidince.513213>

GÜZ Nurettin & SARAY Gülsen (2016). **The Discussions of AK-Party/JDP’s Nuclear Energy Policies in Turkish Media from 2000 to 2016. Ak Parti Hükümetlerinin Nükleer Enerji Politikalarının Türk Basınında Tartışılması (2000-2016 Dönemi.** *Ahmet Yesevi Üniversitesi, Bilig Türk Dünyası Sosyal Bilimler Dergisi, 15 Temmuz Darbe Teşebbüsü ve Türkiye Demokrasisi Özel Sayısı; Bilig, GÜZ (autumn) /2016/SAYI-79, 129-158.* (SSCI, SCOPUS, MLA, CSA, IBSS, ASOS, TUBİTAK/ ULAKBİLİM). SSCI INDEX http://bilig.yesevi.edu.tr/index.php?menu_v=onceki_sayilar_alt&ilgili_sayi=149

SARAY Gülsen, ÇEKİÇ Anıl ve KARASOY Alpay (2012). **Principles of Subsidiarity of European Federalism and Institutionalization of Representation. AB Federalizminde Yerindenlik ve Temsilin Kurumsallaştırılması.** *KONYA SELÇUK Üniversitesi Sosyal Bilimler Meslek Yüksek Okulu Dergisi; KONYA 2012; Cilt 15 (1), Sayı-1, 21-41.* ULAKBİLİM; ISSN: 1302-4191. <http://sbmyod.selcuk.edu.tr/sumbtd/index>;

4. INTERNATIONAL COMMUNIQUÉS AND STATEMENTS:

SARAY Gülsen, Kofoglu Taner (2019). **New Public Management and Development Journalism.** Yeni Kamu Yönetimi Anlayışı ve Türkiye’de Kalkınma Gazeteciliği. *Abstracts Book of BOR Conferences, Business & Organization Research Conference 12-14 September, 2018, Safranbolu, Karabük University and Selçuk University (Bildiri Özetleri BOR Konferansı 12-14 Eylül, 2018.*

SARAY Gülsen (2018). **“Comparison of the Scientific Truth with the Media Reality: Analyzing the Thought and Action Processes of Scientists and Journalists”.** Bilimin ve Medyanın Gerçekliğinin Karşılaştırılması: Bilim İnsanları ile Gazetecilerin Düşünce ve Eylem Süreçlerinin İncelenmesi. *Abstracts Book International Congress On Social Sciences (INCSOS), March 23-25, 2018 Jerusalem (Bildiri Özetleri Uluslararası Sosyal Bilimler Kongresi, 23-25 Mart, 2018 Kudüs).* -. Edit: M.D. Erdem, Ö. Güngör, İ. Özen, R. Memiş, H.İ Doğan, R.A. İnan, M. Nar, T. Özen. Ankara: Son Çağ Yayınları. Sertifika:25931. 327-328. ISBN 978-605-2130-53-7 <http://incsos.org/tr/kudus-kongresi/> ; <https://incsos.org/wp-content/uploads/2018/06/INCSOS-2018-AL-QUDES-KUD% C3% 9CS->

GÜZ Nurettin & SARAY Gülsen (2018). “**Reflection of the Turkish Press on Turkey's Akkuyu Nuclear Power Plant Project during the Transition to Nuclear Energy**”. **Türkiye'nin Nükleer Enerjiye Geçiş Sürecinde Akkuyu Nükleer Güç Santrali Projesi'nin Türk Basımına Yansıması** . *Abstracts Book International Congress On Social Sciences (INCSOS), March 23-25, 2018 Jerusalem (Bildiri Özetleri Uluslararası Sosyal Bilimler Kongresi, 23-25 Mart, 2018 Kudüs)*. Edit M.D. Erdem, Ö. Güngör, İ. Özen, R. Memiş, H.İ Doğan, R.A. İnan, M. Nar, T. Özen. Ankara: Son Çağ Yayınları. Sertifika:25931. 325-326. ISBN 978-605-2130-53-7 <http://incsos.org/tr/kudus-kongresi/>

5. SHORT ARTICLES PUBLISHED:

SARAY, Gülsen (2013). **Participation of Foreign Cooperative Partnership in Turkey. Türkiye’de Kooperatif Ortaklığında Yabancıların Katılımı**. *Kooperatif Postası KARINCA, ISSN: 1300-1450. Aralık 2013 Yıl:80; Sayı:924, 6-10.* <http://koopkur.org.tr/dergilerimiz/karinca>

SARAY, Gülsen (2013). **A Glossary on Cooperatives. Kooperatifçilik üzerine bir Sözlük Çalışması**. *Kooperatif Postası KARINCA, Kasım,2013 Yıl:80, Sayı 923, 9-11.* ISSN: 1300-1450. <http://koopkur.org.tr/dergilerimiz/karinca>

SARAY, Gülsen (2013). **International Union of Cooperatives ICA. Uluslararası Kooperatifler Birliği (ICA)**. *Kooperatif Postası KARINCA, Ekim,2013 Yıl:80; Sayı:922, 15-18.* ISSN: 1300-1450. <http://koopkur.org.tr/dergilerimiz/karinca>

SARAY, Gülsen (2013). **Social Vision of a German Public Administrator and the Formation of the International Raiffeisen Association (IRU). Bir Alman Kamu Yöneticisinin Toplumsal Vizyonu ve Uluslararası Raiffeisen Birliği'nin (IRU) oluşması**. *Kooperatif Postası KARINCA, Eylül,2013 Yıl: 80; Sayı:921, 17-20.* ISSN: 1300-1450. <http://koopkur.org.tr/dergilerimiz/karinca>

SARAY, Gülsen (2013). **Conceptual Definitions on Cooperatives. Kooperatifçilik üzerine Kavramsal Tanımlar**. *Kooperatif Postası KARINCA, Ağustos 2013 Yıl:80; Sayı:920, 5-8.* ISSN: 1300-1450. <http://koopkur.org.tr/dergilerimiz/karinca>

FORMER TRAININGS AND CERTIFICATES

- Certification of Local Administration and Managing and Urban Transformation organized by TODAIE, The Institute of Turkey and Middle East Public Administration, **Ankara, Turkey**.
- Certification of Project Management organized by the GURKOK A.Ş. and ARGON Ltd., **Ankara, Turkey**.
- Certification of Communication and Sales organized by TİM KODER İletişim ve Satış Okulu, **Ankara, Turkey**.
- Certification of Social Guidance and Teaching for Elementary and High School. Active participation at the Training Formation Seminar, organized by the DAAG and Sprachverband, Cologne in **Hamburg, Germany**.
- Certification of STRAKON Computer Aided Design Seminars for Civil Engineers organized by DiCAD Software GmbH of STRABAG AG in **Cologne, Germany**.
- Certification of NEMETCHEK- Finite Elements Methods in Construction Design for Civil Engineers organized by the Ruhr University of Bochum in **Bochum, Germany**.
- Certification of PC Hardware and Software Proficiency and Integration organized by the Rheinisches Bildungszentrum E.V. Cologne in **Cologne, Germany**.
- Certification of Fine Arts and Computer Graphics Education on 3DMax, Photoshop, Corel-draw organized by the TASARIM Bilgisayar A.Ş. Güzel Sanatlar Bilgisayarlı Grafik Eğitimi, **Ankara, Turkey**.
- Certification of NET-CAD Main module and Net-Surf Basic Training, organized by the OGC A.Ş. NetCad Ana modül Netsurf Temel Eğitimi, **Ankara, Turkey**.

WORK EXPERIENCE IN GENERAL

- Science Journalism Columnist of "24SAAT" newspaper: <https://www.24saatgazetesi.com/yazarlar?page=2>
- Researching the subjects of “**Science Journalism Guide for Turkey**”; “**Social Reflections of Space Explorations**” and “**Ethical Reflections of Nuclear Science Applications**”.
- Researcher in the field of science communication and science journalism, and former University **Lecturer** of “**Science and Technology Journalism**” to the graduate students of the Departments of Journalism; Public Relations and Radio-TV-Cinematography at the HBVU University in Ankara-Turkey.
- Former **International Business Development Coordinator** and **Contract Engineer** for various Turkish construction companies to chase joint-venture projects with potential foreign investors. Researching the introduction of new markets on a global scale and creating an export potential by representing the international trade fairs in various countries.
- Former **Construction and Structural Engineer** for various **Turkish companies** to improve infrastructure services in Turkey, including often water supply and sewage treatment and sewerage, River type Hydro Electric Power Plant Projects, swimming pools, upper-structure projects, and aluminum facade Construction.
- Former **Structural Design Engineer** and **CAD specialist** for **German companies** for project development, and project implementation in construction sites and material laboratories in Germany.
- Former **Laboratory Research Assistant at the** Civil Engineering Faculty of **TH/FH Cologne in Germany**. Concrete and Bituminous Materials for Buildings, and Tutorial Assistant to support and assist Professors in the delivery of learning programs in the fields of Construction Management and Structural Analysis.
- Former **technical translator** and **simultaneous and concise translator** from/ to English, German, and Turkish languages.
- Former **Social guidance consultant** and **teacher** for Turkish youth and workers' families living in North-Rhine-Westphalia in Germany in coordination with **Jugend Sozialwerk und Sprachverband Köln** (Cologne Youth Social Work and Language Society) and **DITIB** (Turkish Islamic Union for Religious Affairs) in Cologne-Germany. For this, she attended the “Educational Training Formation Seminars for Teaching German Foreign Working Community” in Hamburg, which was organized by the **DAAG** (Deutsch Ausländische Arbeitsgemeinschaft) in Hamburg-Germany.
- Former **Company manager** organizing social services for diplomatic entities and the diplomatic missions in Ankara, Turkey and promoting international business in the private sector.
- Former **Translator-Secretary** at the Japanese Embassy in Ankara- TURKEY.
- Former local **news reporter and on-situ interviewer** by the Yeni HALKCI (former ULUS) Newspaper.