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Professor

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Education

BSc : University of Istanbul, TR. 1969
MSc : University of Aberdeen, UK. 1974
PhD : University of Wales, UK. 1978
SPFS : University of Michigan, USA. 1981

Research Interests

Survey statistics, Social statistics, Demography, Biostatistics, Biometrics.
Survey sampling methods, Survey methods research, Complex survey and sample designs, Sampling errors, Nonsampling error models, Complex survey data analysis, and Methodology of gender statistics.

International Experience

Working experience, missions, conferences, lectures, workshops and participation in scientific and technical meetings in the *following countries: Britain (England, Scotland & Wales), Egypt, Finland, France, Germany, Ghana, Netherlands, Italy, Sweden, Switzerland, Turkey, United States, and Zimbabwe.*

Academic Positions

1979-1981 Research Associate, *Institute of Population Studies, Hacettepe University*. Ankara, Turkey
1981-1986 Instructor on Social Statistics, *Institute of Population Studies, Hacettepe University*
1986 Assistant Professor of Applied Statistics, *Department of Statistics, Middle East Technical University*. Ankara
1986-1992 Associate Professor of Biostatistics, *Department of Statistics, Middle East Technical University*
1990 + Affiliated Faculty, Archaeometry Program, *The Graduate School of Natural and Applied Sciences, Middle East Technical University*
1992 + Professor of Applied Statistics, *Department of Statistics, Middle East Technical University*

Administrative Positions

1989 + Country Representative for Turkey, *International Association of Survey Statisticians*, Bordeaux, France
1989-1992 Statistical Adviser for Methodology to the President, *State Institute of Statistics*, Prime Ministry (*On loan from the Middle East Technical University*)

- 1990-1992 Director, *Technical Services Department, State Institute of Statistics, Prime Ministry (On loan from the Middle East Technical University)*
- 1991-1995 Associate Chairman, *Department of Statistics, Middle East Technical University*
- 2001-2007 Chairman, *Department of Statistics, Middle East Technical University*
- 2001-2007 Director, *Statistics Graduate Program, The Graduate School of Natural and Applied Sciences, Middle East Technical University*

Visiting Appointments

- 1981 Visiting Scholar, *Sampling Section, Survey Research Center, Institute for Social Research, University of Michigan. Ann Arbor, Michigan, USA*
- 1988-1989 Special Consultant, *State Inspection Council, Presidency of the Republic of Turkey, Ankara. (On loan from the Middle East Technical University)*
- 1994 FAO Consultant for Manual writing on "Guidelines for Improvements on Gender Disaggregated Data for Agricultural Surveys in the Near East Countries". *FAO, Statistics Division. Rome, Italy*
- 2000-2001 Instructor on "Sampling Methods and Designs". *Essex Summer School in Social Science Data Analysis and Collection. University of Essex. Colchester, England, UK*
- 01/2006 Guest Professor, *Statistics Department, Centre for Survey Research and Methodology – Zentrum für Umfragen, Methoden und Analysen (ZUMA), Mannheim, Germany*
<http://www.gesis.org/Organisation/ZUMA/Gaeste/guests.htm#Gaeste%202006>

Professional Services

- 1990-1992 Chairman, *National Committee of the 1991 General Census of Agriculture for Turkey. State Institute of Statistics, Ankara*
- 1990-1992 Chairman, *Agricultural Statistics Committee. State Institute of Statistics*
- 1990-1992 Chairman, *Data Collection Development Techniques Committee. State Institute of Statistics*
- 1990-1992 Chairman, *Sub-committee for the Response Reliability Survey of the 1990 Census. National Committee of the 1990 General Population Census of Turkey. State Institute of Statistics*
- 1990-1992 Chairman, *Sub-committee for the Response Reliability Survey of the 1991 Census. National Committee of the 1991 General Agriculture Census of Turkey. State Institute of Statistics*
- 1990-1992 Program Coordinator, *Sampling and Survey Designs Program, Applied Statistics Graduate Programs, State Institute of Statistics*
- 1990-1992 Member, *National Committee of the 1990 General Population Census of Turkey. State Institute of Statistics*
- 1992-1993 Member, *Nominations Committee for Council Members of the International Association of Survey Statisticians. Bordeaux, France*
- 1994-1995 Member, *Nominations Committee for Council Members of the International Association of Survey Statisticians. Bordeaux, France*
- 1997-2001 Council Member, *International Association of Survey Statisticians, Bordeaux*

- 1998 Member, *Academic Advisory Board, Interviewer Training Centre*, State Institute of Statistics
- 1998-2000 Member, *National Advisory Committee, Population Census of Turkey 2000*, State Institute of Statistics
- 2000-2001 Member, *Editorial Committee, IASS Jubilee Commemorative Volume on Landmark Papers in Survey Statistics*. International Association of Survey Statisticians. Bordeaux
- 2006–2007 Member, *Nominations Committee for Council Members of the International Association of Survey Statisticians for 2007*. Bordeaux, France
- 2006–2007 Member, *Program Committee for IASS / ISI, 2009*. International Association of Survey Statisticians. Bordeaux, France

Editorships

- 1982-1986 Associate Editor, *Turkish Journal of Population Studies*
- 1996-1998 Editor, *Bulletin of the Turkish Statistical Association*
- 2001-2003 Associate Editor, Sampling and Survey Research, *Journal of Statistical Research*

Professional Memberships

- 1987 + International Association of Survey Statisticians, Bordeaux, FR
- 1990 + Turkish Statistical Association, Ankara, TR
- 1992 + International Association for Official Statistics. Voorburg, NL
- 1993-1994 American Statistical Association, Alexandria, USA

Honors and Awards

- 1989 Service Award, *State Inspection Council, Presidency of the Republic of Turkey*, Ankara
- 1994 Service Medal, *State Institute of Statistics*, Ankara
- 1995 Honorary Member, *Association of Statistics Graduates*, Ankara
- 1995 + Member, *International Statistical Institute*. Voorburg, NL

Conference Organisation

- 1991-1992 Council Member, National Organising Committee, *Third Independent Conference of the International Association for Official Statistics*, Ankara
- 1991-1992 Member, Executive Secretariat of the National Organising Committee, *Third Independent Conference of the International Association for Official Statistics*, Ankara
- 1994 Coordinator, *Workshop on Improvements of Gender Disaggregated Agricultural and Rural National Statistics in Near East Countries*. Food and Agriculture Organization, RNEA. Cairo, Egypt
- 1995-1997 Member, Organising Committee, *International Conference on Applied Statistics in Medical Sciences*
- 1995-1997 Member, *Program Committee of the International Association of Survey Statisticians*. 51st Session of the International Statistical Institute. Istanbul, Turkey.
- 1995-1997 Organiser/Chairman, *Invited Papers Session No. 44 on Improvements of the Production of Gender Disaggregated Data*. International Statistical Institute, 51st Session, Istanbul 1997

- 1998-2001 Member, *Program Committee of the International Association of Survey Statisticians*. 53rd Session of the International Statistical Institute, Seoul, Korea
- 2000-2003 Member, *Program Committee of the International Association of Survey Statisticians*. 54th Session of the International Statistical Institute. Berlin, Germany
- 2002-2003 Organiser, *Invited Papers Session No. 27 on New Challenges with Future Tele-surveys*. International Statistical Institute, 54th Biennial Session, Berlin

Teaching

At the Hacettepe University, Ankara

Introduction to Operations Research, Statistics for Social Scientists, Applied Sampling, Social Statistics, Survey Sampling Techniques, Social Survey Methodology, Operations Research Techniques.

At the Middle East Technical University, Ankara

- **Undergraduate Programs**

Fundamentals of Probability and Statistics I & II, Introduction to Probability and Statistics I & II, Sampling and Survey Design I & II, Business Statistics II. Sampling and Survey Methods, Survey Designs, Biostatistics, Nonparametric Statistics, Statistical Data Processing and Analysis, Survey Research Methods, Survey Sampling Techniques.

- **Graduate School of Natural and Applied Sciences Programs**

Sampling Theory and Methods, Biostatistics, Statistical Methodology in Archaeometry, Analysis of Data in Archaeometry.

- **Continuing Education Centre Programs**

Biostatistics for Biologists.

At the State Institute of Statistics, Ankara

- **Graduate Programs in Applied Statistics**

Survey Sampling Techniques.

At the University of Essex, Colchester, England, UK

Essex Summer School in Social Science Data Analysis and Collection:
Sampling Methods and Designs. (July 2000 & 2001)

Recent Publications

Monographs

Ayhan HO (1996), ***Guidelines for the Improvement of Statistics on Women.***
United Nations, Food and Agriculture Organization, Statistics Division &
Women and Population Division Institutional Manual, D/W0022E/1/5.96/1000.
Rome: FAO Press. 43 pp. [in *English/French/Spanish/Arabic*]

Kudat A, BB Ozbilgin, N Kuleyin, I Yalcin & O Ayhan (1999), **Social Assessment for the Turkey Forest Sector Review**. The World Bank, Social Development Paper No. 34, Washington DC: The World Bank Press. 137 pp.

Ayhan HO, BA Ergocmen, A Hancioglu, A Icduygu, I Koc, A Toros, S Turkyilmaz, T Unalan, S Uner & EK Yigit, eds. (2000), **Push and Pull Factors of International Migration: Country Report - Turkey**. EUROSTAT Working Papers; Population and Social Conditions 3/2000/E/n^o 8. Luxembourg: EUROSTAT Press. 131 pp.

Nathan G, TMF Smith, F Scheuren, G Brackstone, JC Deville, O Ayhan & S Linacre, eds. (2001), **Landmark Papers in Survey Statistics**. IASS Jubilee Commemorative Volume. International Association of Survey Statisticians Institutional Publication. Canberra: Australian Bureau of Statistics Press. 461 pp.

Research Papers

Ayhan HO (1998), Survey Nonresponse Models and Applications in Turkey. In **Official Statistics in a Changing World: Proceedings of the 3rd International Conference on Methodological Issues in Official Statistics**. Stockholm: Statistics Sweden Press, pp. 155-158.

Ayhan HO (1999), Ethical Issues in Social Research. *Journal of Nursing Research* **1**, 29-35.

Ayhan HO (2000), Models of Response Error Components in Supervised Interview Surveys. Invited paper, *Section 6* in **Statistics and Democracy: Proceedings of the 4th International Conference on Methodological Issues in Official Statistics**. Statistics Sweden, Stockholm. *Conference Web Site Proceedings*, pp. 1-8.

Ayhan HO, A Icduygu, T Unalan, A Hancioglu & AS Turkyilmaz (2000), Study Design. *Chapter 2* in **Push and Pull Factors of International Migration: Country Report – Turkey** (HO Ayhan *et al*, eds). EUROSTAT Working Papers; Population and Social Conditions 3/2000/E/n^o 8. Luxembourg: EUROSTAT Press, pp. 5-20.

Ayhan HO, A Hancioglu, AS Turkyilmaz & T Unalan, (2000), Sample Design, Implementation and Outcome. *Chapter 13* in **Push and Pull Factors of International Migration: Country Report – Turkey** (HO Ayhan *et al*, eds). EUROSTAT Working Papers; Population and Social Conditions 3/2000/E/n^o 8. Luxembourg: EUROSTAT Press, pp. 112-131.

Ayhan HO (2000), Estimators of Vital Events in Dual Record Systems. *Journal of Applied Statistics* **27**(2), 157-169.

Ayhan HO (2001), Statistics by Gender: Measures to Reduce Gender Bias in Agricultural Surveys. *International Statistical Review* **69**(3), 447-460.

Ayhan HO (2001), Gender and Statistics Briefing Note: Agricultural Statistics. Office of the Special Adviser on Gender Issues and Advancement of Women, Department of Economic and Social Affairs, United Nations, New York. *Web Site Document*, pp. 1-5.

Ayhan HO (2003), Models of Response Error Components in Supervised Interview–Reinterview Surveys. *Journal of Applied Statistics* **30**(9), 1047-1054.

Ayhan HO (2003), Combined Weighting Procedures for Post-Survey Adjustment in Complex Sample Surveys. *Bulletin of the International Statistical Institute* **60**(1), 53-54.

Ayhan HO & S Ekni (2003), Coverage Error in Population Censuses: The Case of Turkey. *Survey Methodology* **29**(2), 155-165.

Ayhan HO & S Ekni (2003), Erreur de Couverture des Recensements de Population: Le cas de la Turquie. *Techniques d'enquete* **29**(2), 175-186.

Ayhan HO (2004), Unit Nonresponse and Post-Survey Adjustment Weighting in Turkish International Migration Survey. *15th International Workshop on Household Survey Nonresponse*. Maastricht, The Netherlands. *Workshop Web Site Document*, pp. 1-24.

Ayhan HO & S Isiksal (2004), Memory Recall Errors in Retrospective Surveys: A Reverse Record Check Study. *Quality & Quantity* **38**(5), 475-493.

Ayhan HO (2005), Sample Adjustment Weights for Internet Surveys: Restricted Access versus Voluntary Participation. In *Recent Developments and Applications in Social Research Methodology* (Dijkum C., Blasius J. and Durand, C, eds.). Opladen: Budrich-Verlag Press, *Disc Version*, pp. 1-8. *ISBN 3-938094-44-3*

Ayhan HO & MQ Islam (2005), Sample Design and Allocation for Random Digit Dialling. *Quality and Quantity* **39**(5), 625-641.