



## **Professor Dr. Willem E. Saris**

**Laureate of the Descartes Research Prize 2005 for excellence in scientific collaborative research**

**Recipient of the World Association of Public Opinion Research's "Helen Dinerman Award" 2009 for his lifelong contribution to the methodology of Opinion Research**

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# Curriculum Vitae of Willem E. Saris

## Studies

- 1961 Start of the study of Sociology at the University of Utrecht
- 1968 Masters of Sociology ("doktoraal") with specialisation methods and techniques, University of Utrecht
- 1970 UNESCO-grant, for attendance of a course in Bergen, Norway
- 1971 ECPR-grant for attendance of the Summer School in Essex, United Kingdom
- 1972 Grant for attendance of a course in mathematical decision making at the Mathematical Centre, Amsterdam
- 1973 Grant of the Netherlands Organisation for the advancement of pure scientific research (Z.W.O.) for study in the United States
- 1979 Ph.D. in the Social Sciences; title of the thesis: "Methods and techniques for the analysis of survey data with measurement error" University of Amsterdam, supervised by Prof. R.Mokken
- 1979 Visitor's grant of the Netherlands Organisation for the advancement of pure scientific research (Z.W.O.) for the United States

## Academic Positions

- 1967 - 1968 Research assistant at the Sociology Department of the University of Utrecht
- 1968 - 1982 Assistant professor at the Department of Methods and Techniques at the Free University, Amsterdam
- 1983 - 2006 Full professorship at the Department of Methods and present Techniques for Political Science at the University of Amsterdam
- 1989 - 1995 Director of the Foundation Telepanel, Amsterdam (STP)
- 2001 - 2005 Visiting professor at ESADE (Barcelona)
- 2005 - 2006 ICREA professor at Universitat Ramon Llull, Barcelona
- 2006 - present Professor in methodology at ESADE, Barcelona
- 2009 - present Professor in methodology at the Universitat Pompeu Fabra, Barcelona

### **Internal administrative activities**

1970 - 1975	Member of the sub-faculty council
1973 - 1975	Member of the faculty council
1975 - 1980	Member of the education committee for sociology
1980 - 1992	Member of the research committee for political science
1983 - 1992	Head of the department of statistics and methodology
1990 - 1995	Director of the Telepanel foundation
2006 - 2009	Head of the research group on data quality at ESADE
2009 - present	Head of the Research and Expertise Centre for Survey Methodology at Universitat Pompeu Fabra

### **External administrative activities**

1975 - 1979	Editor-in-chief of the journal M.D.N.
1979 - 1982	Editor of the journal K.M.
1975 - 1979	Member of the board of the Social Science section of the Statistical Association
1981 - 1983	Member of the board of the Dutch Statistical Association
1979 - 1988	Chairman of the research group for Methods and Techniques of the Netherlands Organisation for Political and Administrative Science Research (Z.W.O.)
1980 - 1982	Member of the board of the research group for Decision Behaviour of the Netherlands Organisation for Psychonomics (Z.W.O.)
1979 - 1990	Member of the board of the Dutch Sociometric Society
1981 - present	Chairman of the Sociometric Research Foundation
1986 - 2001	Member of the board of the Interuniversity Institute for present Psychometrica and Sociometrica
1989 - 1994	Prime contractor of the EU - research group CASIP

1989 - present	Chairman of the International research group on methodological and comparative studies (IRMCS)
1991 - 1995	Member of the methodological advisory board of the Eurobarometer
1994 - present	Member of the editorial board of the Sage series: Introducing statistical methods
1995 - 1999	Member of the methodological advisory board of European Social Survey
1995 - present	Member of the advisory of the Social science Research Methodology (SRM) classification system, Sage
1997 - 1999	Member of the evaluation group for Methods and Techniques of the Netherlands Organisation for Political and Administrative Science Research (Z.W.O.)
1996 - present	Member of the editorial board of the journal Social Indicators Research
1997- present	Member of the editorial board of the journal Structural Equations
1999- present	Member of the central coordination team of the European Social Survey
2004- present	Chairman of the European Survey Research Association

### **Visiting Scholar**

1973	University of Washington, Seattle
1992	ZUMA , Mannheim
1993	Wissenschaftszentrum für Sozialforschung, Berlin
2001- 2005	ESADE, Barcelona

## Teaching activities

1968 - 1969	Training of second grade methods and techniques students in conducting research
1969 - 1973	First grade statistics course
1973 - 1976	Second grade statistics course
1975 - 1978	Course in model construction for senior students
1976 - 1986	Second grade students course in testing theories by means of linear structural models
1978 - 2005	Senior students course about measurement models and models with unmeasured variables
1984 - 2005	Data collection
1984 - 1995	Models for response behaviour
1987 - 1999	Computer assisted data collection and information processing
1990 - 1995	Qualitative methods
1993 - present	Research designs
2003 - present	Questionnaire design
2004 - present	Master program: Structural equation models, Survey research and Multivariate statistics

Besides the above mentioned teaching, approximately 80 students wrote their master thesis under my supervision. Mostly they participated in an ongoing research project and wrote their thesis on one specific topic of this research. From a number of these theses joint publications have been made (see list of publications).

So far 25 scholars wrote their PhD dissertation under my supervision. At this moment I have only information available about the following dissertations done under my supervision:

- 2006 Wiiliam van der Veld, University of Amsterdam, Oyvin Kyvik , ESADE
- 2005 Alberto Gimeno and Antoni Dorse, University Ramon Llull , Barcelona
- 2004 Robert Voogt, "I am not interested", University of Amsterdam
- 2003 Christiana Martini, University of Padua
- 2002 Ivar Vermeulen, "A logic approach to competition in industries", University of Amsterdam

- 2000 Jaap Kamps, "Theory Building with applications in Sociology", University of Amsterdam
- 1999 Emiel Kaper
- 1998 Akos Munnich, Judgment and Choice, University of Amsterdam
- 1997 Gilbert Cijntje
- 1996 Jack Menke
- 1995 Annette Scherpenzeel, "A question of Quality", University of Amsterdam
- 1993 Nelly Kalfs, "Hour by Hour", University of Amsterdam

### **Courses and lectures in foreign countries**

- 1978 - 1990 Courses on "Linear Structural Models" at the ECPR-Summer School in Colchester, Essex
- 1979 Lecture on "Measurement Models" at the University of Cologne, West-Germany
- Course "Linear Structural Models" at the University of Ljubljana, Yugoslavia
- Lecture on "Identification Restrictions and Standard Errors" in Cartigny, Switzerland
- 1980 Course on "Linear Structural Models" at the State University of Stony Brook, United States
- Seminar on "Measurement Models" at the University of Michigan, Ann Arbor, United States
- Seminar on "Linear Structural Models" at the University of Arizona, Tucson, United States
- Lecture on "Foreign Policy decision making" - Boston, United States
- 1981 Lecture on "Recent developments with respect to "Linear Structural Models" in London, United Kingdom
- Idem in Barcelona, Spain
- Lectures on "Foreign Policy decision making" in Budapest, Hungary
- 1982 - 1990 Advanced course in Causal Modelling in Essex, United Kingdom

- 1982                    Lecture on "Multivariate Psychophysical Scaling" in Mannheim (ZUMA), West-Germany
- 1983                    Lecture on "The development of a decisional aid for collective decision making" in Jülich, West-Germany
- 1984                    Lecture on "The structure of political decisions" in Salzburg, Austria
- 1985                    Lecture on "Testing of structural equation models" in Mannheim (ZUMA), West-Germany
- 1986                    Lecture on "Testing of structural equation models" in Ljubljana, Yugoslavia
- 1987                    Lecture on "Testing structural equation models" for the Census Bureau, Sweden
- Lecture on "Measurement procedures in social sciences" at the University of Göteborg, Sweden
- Lecture on "Models for psychophysical scaling" at the University of Lund, Sweden
- 1988                    Lecture on Revolutionary changes in data collection, Second international methodology conference, Dubrovnik
- 1989                    Lecture on Computer assisted data collection and data processing, EUROSTAT conference, Luxembourg
- 1990                    Lecture on automatization of budget research, Census Bureau of the U.S., Washington
- Lecture on variation if response functions. Institute for Social Research, University of Michigan, Ann Arbor, USA
- 1991                    Lecture on Computer assisted data collection in budget research, Statistical Office Sweden, Stockholm
- 1992                    Lecture on A complete system for information processing for Budget research, Eurostat/GMD conference, Bonn
- Lecture on analysis of panel data, London school of Economics, London
- 1993                    Lecture on survey research in western democracies, Budapest
- 1994                    Lecture on a complete system for information processing for Budget research, Eurostat conference, Luxembourg
- 1995                    Lecture on Election studies in the Netherlands, Curacao

- Lecture on Measurement procedures in Bristol
- Lecture on Registration of fast moving goods, ESOMAR, Brussels
- Lecture on Electronic data interchange (EDI) Beijing
- 1996 Lecture on memory effects in survey research, Preddvor, Slovenia
- Lecture on Evaluation of measurement instruments in Mannheim, Germany.
- 1997 Lecture on the effect of living conditions on satisfaction, Berlin, Germany.
- 1998 Lecture on the design of questionnaires at the Institute for Social Research, University of Michigan, Ann Arbor, USA
- Lecture on Political decision making in Montreal at the IPP conference
- Lecture on Causal modelling in Montreal at the ISA conference
- Lecture on Collective decision making in Vienna at the meeting of the ICPSR.
- Lecture on Designing questionnaires at the University of Barcelona
- 1999 Lecture on evaluation of survey data quality at the Methodology Conference in Slovenia
- Lecture on determinants of quality of life at the Quality of life conference in Singapore
- 2000 Lecture on evaluation of survey data quality at the Methodology conference in Köln
- Lecture on the topdown-bottomup effect in life satisfaction presented at the Quality of Life conference in Girona
- 2001 Lecture on Meta analysis of data quality in three different language at the Methodology conference in Gent
- 2002 Invited Lecture on The use of MTMM results in the ESS, Padua
- Invited Lecture on the use of fit measures in structural equation models, Padua
- Invited Lecture on the effect of measurement errors in substantive research, at Universitat Pompeu Fabra, Barcelona



- 2003 Invited to give Course in the PhD program at the statistics department in Padua on: A scientific method for designing questionnaires
- 2004 Invited by the ESF to give a Course on measurement in the social science organized by ESF in Lugano
- Invited speaker at the meeting of the American Statistical Association in Charleston, South Carolina, USA
- 2005 Invited speaker at the conference on “total survey error” of the National Statistical Institute of the United States, Washington, USA
- Invited speaker at the conference on Methodology and measurement of subjective variables organized by DIW Berlin
- Invited by the ESF to give a Course on Structural Equation models at the Oxford University
- 2006 Invited by the ESF to give a course on Cross-cultural comparative research in Lugano.
- Invited speaker at the conference on Access panels organized by the Dutch Science Foundation
- Invited speaker at the University of Tilburg on quality of survey data
- Invited to teach a course in quality of survey questions at the ESRA Conference in Prague
- 2007 Invited speaker at the conference of the RC33 of the ISA in Naples
- 2008 Invited speaker at the Conference on the ESS in Bergen, Norway
- Invited lecturer at the University of Vienna on survey methodology, causal modelling and research with respect to Social Capital
- 2009 Invited speaker at the NH centre in Hyattsville, USA
- Invited speaker at the ESS conference in Trondheim, Norway

## **Most Important Research Program**

Below is indicated what have been the most important research programs I have been working on during my research career so far:

### **1. Statistical aspects of structural equation models (1972 – present).**

One of the most important topics in the application of structural equation modelling is testing of causal relationships or causal model. This has been an ongoing topic of research through the years although also other topics have been studied. For example studies of school career models, characteristics of simplex models, alternative models for Multitrait-Multimethod experiments and models to evaluate nonattitudes.

#### *Most important projects*

- The research on the power of the chi<sup>2</sup> test together with Albert Satorra finished with the dissertation of Albert Satorra (1985) and several publications.
- The research on panel data together with Joan Manuel Batista (1992) and with Germa Coenders (1996)
- Models for MTMM designs together with Germa Coenders (1997) and Albers (2000) and Corten (2000) and also Satorra (2004)
- A new paper on the detection of misspecifications in models (Sarlis, Satorra and Van der Veld 2009)

#### *Ongoing activities*

At this moment we are working on a simulation study to show that most of the fit measures have the same problems as the original suggested chi square test which is that these statistics are sensitive to other characteristics as the size of the misspecification such as the structure of the model the size of the other parameters and of course the sample size. A preliminary paper is available.

### **2. Studies concerning the improvement of measurement in survey research**

Through the years many studies have been made with respect to several topics. This research has been done at the University of Amsterdam and the Sociometric Research Foundation (SRF) with support of the Netherlands Organization of scientific research (NWO) and the University of Amsterdam.

Originally the research was mainly directed on special aspects of the measurement instrument such as the response scale, data collection method. Recently the emphasis is shifted toward the design of the instrument as a whole, taking into account all the different choices which are made and general evaluation procedures are used to evaluate the quality and suggest improvements. These evaluations are based on the research described in the research on evaluation of measurement instruments.

### ***Most important projects***

- Use of continuous instead of category scales measurement in survey research (1976-1990) (subsidized by Z.W.O.(now called NWO) 1980-1984 and 1985- 1989)
- The problem of variation in response functions
- Use of computer assisted data collection methods: the Telepanel Study of data collection techniques, supported by SRF. (1985 - 1987)
- Application of telepanel approach using 2000 households (subsidized by NWO and UvA) (1989- 1995)
- The Eurostat project to develop "A complete automated system for information processing" (CASIP) Subsidized by EUROSTAT (1990-1992)
- With support of NWO and SRF procedures have been developed for designing questionnaires in a more scientific way than normally is the case
- Application of the above mentioned approach will occur in the context of the European Social Survey (ESS) which will be held in 22 different countries with support of the EU and the Science foundations of the different participating countries.
- A program has been developed on the basis of our research that can predict the quality of questions before the data are collected (SQP).
- A book summarizing our work so far has been published by Wiley (Saris and Gallhofer 2007)

### ***Ongoing activities***

In the context of the European Social Survey (ESS) a study is made of the quality of the questions proposed for the research and proposals for improvement of the questions will be made. These predictions will be made using the program SQP.

### **3. Studies related to the evaluation of survey measurement instruments with respect to reliability and validity. (1989- present)**

Next to research with respect to improvement of measurement instruments for specific purposes a long term research program has been developed procedures for the evaluation of survey measures and to summarize the results of these studies in such a way that the results can be used in practice in an efficient way. Inspired by the work of Frank Andrews (1984) a research program has been developed in Europe in cooperation with 11 different research groups in Europe from different countries.

First the approach to evaluate measurement instruments, the so called Multitrait-Multimethod (MTMM) experiment has been evaluated. Next meta-analysis has been done on the large amount of MTMM studies which have been done in different countries. Recently work has

been done with respect to the design of a computer assisted expert system which uses all available information of data quality to predict the quality of new questions.

In the mean time the data collection continues and studies are done of new designs and models for MTMM experiments. Also the problem of nonattitudes has been studied in this context.

### ***Most important projects***

- Study of the design of the MTMM design
- Coordinator of an international research group on methodology and comparative research (IRMCS) (1989 - present)
- Study of data quality of Dutch survey research
- Study of different model for description of data from MTMM experiments
- Study of the data quality of survey question in different languages (subsidized by NWO, 1995- 1999)
- Research on nonattitudes of respondents. Subsidized by the Netherlands Organization for Scientific research (NWO), the Royal Dutch Academy of sciences and the University of Amsterdam (1997 – present)
- SQP: an expert system for the prediction of data quality in survey research based on the meta-analysis of a large number of MTMM studies.

### ***Ongoing activities***

Recently work has been done with respect to the design of a computer assisted expert system which uses all available information of data quality to predict the quality of new questions. A prototype of this program SQP is available.

In the mean time the data collection continues and studies are done of new designs and models for MTMM experiments: the so called split-ballot MTMM design.

Besides that a program “SQP” has been developed to predict the quality of survey questions in three languages. In the future we want to extend the program to predict the quality of questions in more than 20 languages used in Europe. This will be done on the basis of a database of MTMM experiments which are collected within the context of the ESS.

## **4. Study of political decision making (1979 – present)**

Over a long period of years a major applied research project has been the study of political decision making on minutes of the government or notes of advisors to the government. In the beginning the research was directed on the development of good quality instruments, exploring different content analysis approaches and different data sets.

After closing off this phase the next phase has been the application of the approach on many different decisions of the Dutch government and other governments. This study was first of all directed on the argumentation of individual decision makers. In a later phase the research was extended to the study of collective decision making by the same governmental groups.

Recently a study was undertaken to reconstruct the arguments of the political groups on the basis of documents available on the internet.

### ***Most important projects***

- Development of the basic approach (subsidized by Z.W.O. form (1979 - 1983)
- Application on different topics (subsidized by SRF)
- Collective decision making (subsidized by SRF)

### ***Ongoing activities***

At the moment a study is made of the arguments of scientist and politicians with respect to the development and use of the nuclear bomb. The research question is whether they use different arguments.

## **5. Research relating to the application of choice-questionnaires**

Given the well known fact that most people do not know much about many problems discussed and inspired by the decision theoretical approach discussed in the previous project a research line was developed to develop a decision aid for people to participate in decision making with respect to complex issues.

In order to develop such a decision aid (Choice questionnaire) we had to answer the questions what kind of information is needed and in what kind of form and how do we have to ask the opinion of the people. All these questions have been studied and many others while several applications are developed.

### ***Most important projects***

- First application related to the opinion formation in the Dutch energy debate (1979 – present) (subsidized by the "Stuurgroep" of the energy debate B.M.D. from 1982 – 1983)
- Traffic problems by the local government of Amsterdam from (1991)
- A new housing area by the local government of Amsterdam (1992)
- Parking in Leiden 1995 by the Ministry of transport
- Renovation of the centre 1999 by the Local Government in Groningen

### ***Recent activities***

At the moment a book on nonattitudes is available (Sarıs and Sniderman 2004) and the way to deal with this problem is described in the dissertation of William van der Veld (2006)

### **6. Panel study In Russia with respect to the living conditions and feelings of well-being**

Given the rapid changes in the Russian society with respect to the economic and the political situation a Russian Socio-economic Transition (RUSSET) panel studied done from 1992 till 1999 with support of the Dutch Organisation of Scientific research (NWO). The design was a collective effort of the RUSSET research group. The data collection has been done in Russia by the research institute CESSI.

The study was directed on the effects of the economic and political changes on the living conditions and life satisfaction in Russia.

Besides that the quality of the data has been studied in a series of MTMM studies while especially attention was given to the nonattitude problem in Russia.

#### ***Most important projects***

- Subsidized by the Netherlands organization for scientific research (NWO) (1992- present)
- Study of data quality subsidized by University of Amsterdam
- Study of happiness in Russia

### **6. European Social Survey (ESS)**

The EU together with the ESF and the National Science Foundations of most of the European countries has started the ESS in 1999. The purpose of this study is to study changes in values, attitudes and opinions in Europe. As member of the Central Coordinating Team (CCT) I have been responsible, together with the CCT, for the quality of the research. For this work we have received the Descartes prize for the best joint research project in 2005. This research is still going on with two yearly data collections in more than 20 countries. The work is also extended by an infra structure subsidy of the EU for further improvement of the infrastructure of the project.

#### ***Most important projects***

- Evaluation and improvement of the questionnaires before the data is collected
- Evaluation of the quality of the data after the data is collected
- Study of the effects of the questions characteristics on the data quality in 20 countries

- Evaluation of the measurement instruments for the variables in the core of the questionnaire
- Evaluation of mixed mode data collection and Web surveys

***Ongoing activities***

The five above mentioned projects are going on and papers on these topics can be found on the website of the ESS.

## List of publications

- 1970 W.E. Saris  
Damslapers. In *Intermediair*, 17, 1 mei 1970.
- 1971 W.E. Saris  
Kritisch reflektieren over vanzelfsprekendheden; een godsdienst-sociologisch onderzoek naar "Dauerreflexion". S.W.I.-publicatie. Vrije Universiteit.
- 1973 W.E. Saris, I.N. Gallhofer  
Verslag van de enquête Zeeheldenbuurt betreffende renovatie. Vrije Universiteit, januari 1973.
- W.E. Saris, I.N. Gallhofer  
Verslag van de enquête Spaarndammerbuurt voor de woningbouw vereniging "Amsterdam-Zuid" betreffende renovatie. Vrije Universiteit, maart 1973.
- W.E. Saris, I.N. Gallhofer  
Verslag van de enquête Zaanhof betreffende renovatie. Vrije Universiteit, maart 1973.
- W.E. Saris, W.M. de Pijper, I.N. Gallhofer  
Een beschrijving van de financiële consequenties van renovatie voor de bewoners van de Zeeheldenbuurt. Vrije Universiteit, maart 1973.
- 1974 W.E. Saris  
An approach to the problem of the systematic measurement error in survey research. In: *Mens en Maatschappij*, Vol. 49, 29-50.
- W.E. Saris  
De Lisrel-procedure voor het analyseren van lineaire structurele modellen met ongemeten variabelen. In: *Sociale Wetenschappen*, 17, 124-146.
- 1975 W.E. Saris, I.N. Gallhofer  
L'application d'un modele de decision a des donnees historiques. In: *Revue Francaise de Science Politique*, Vol. XXV, 3, 473-501.
- W.E. Saris met andere vakgroepleden  
Oorzaken van verschillen in waarnemingsresultaten. S.W.I.-publicatie, Vrije Universiteit.
- I.N. Gallhofer, W.E. Saris  
Recente ontwikkelingen op het gebied van de geautomatiseerde inhoudsanalyse. In: *Acta Politica*, X, 485-505.
- 1976 W.E. Saris, G. Mellenbergh  
Enkele kanttekeningen bij factoranalyse met restricties. In: *M.D.N.*, 1, 6-9
- W.E. Saris  
Procedures voor het opsporen van specificatie-fouten. In: *M.D.N.*, 1, 24- 33.



- W.E. Saris, W.M. de Pijper, P. Zegwaard  
 Het lokaliseren van specificatiefouten in restricted factor-analyse modellen.  
 Mededelingen van de Subfaculteit der Sociaal-Kulturele Wetenschappen van  
 de Vrije Universiteit, no. 4.
- 1977 W.E. Saris, C. Bruinsma, W. Schoots, C. Vermeulen  
 The use of magnitude estimation in large scale survey research. In: *Mens en  
 Maatschappij*, 369-395.
- J. Mulder, W.M. de Pijper, W.E. Saris  
 Optimale procedures voor het schatten van factorscores. In: *M.D.N.*, 3, 56-66.
- W.M. de Pijper, W.E. Saris  
 Padanalyse van de LISREL-procedure voor paneldata. In: *Mens en  
 Maatschappij*, 398-417.
- 1978 J.Z. Namenwirth, W.E. Saris, I.N. Gallhofer, J. Kleijnnijenhuis  
 In search of semantic characteristics for machine coding. In: *M.D.N.*, 1 jrg. 3,  
 75-88.
- I.N. Gallhofer, B. de Valk, W.E. Saris  
 Ontwikkeling van een begrippenapparaat voor de beschrijving van  
 redeneringen van politici. In: *Acta Politica*, XIII, 371-382.
- I.N. Gallhofer, W.E. Saris, E.L. Morton  
 A validation study of Holsti's content analysis procedure. In: *Quality and  
 Quantity*, 12, 131-145.
- W.E. Saris, W.M. de Pijper, J. Mulder  
 Optimal procedures for estimation of factor scores. In: *Sociological Methods  
 and Research*, 7, 85-105.
- 1979 W.E. Saris, W.M. de Pijper, P. Zegwaard  
 Detection of specification errors in linear structural equation models. In: K.  
 Schuessler (Ed.), *Sociological Methodology*, San Francisco, Jossey- Bass.
- I.N. Gallhofer, W.E. Saris  
 An analysis of the argumentation of decision makers using decision trees. In:  
*Quality and Quantity*, Vol. 13, 411-430.
- I.N. Gallhofer, W.E. Saris  
 The decision of the Dutch Council of the Ministers and the military  
 commander in chief relating to the reduction of armed forces in the autumn of  
 1916. In: *Acta Politica*, XIV, 95-106.
- I.N. Gallhofer, W.E. Saris  
 Strategy choice of foreign policy decision makers, The Netherlands, 1914. In:  
*Journal of Conflict Resolution*, 23, 425-445.

- J. Naafs, W.E. Saris  
Diefstal door middel van braak: diachronische analyse van een delict in Amsterdam. In: Mens en Maatschappij, 387-419.
- 1980 W.E. Saris  
Linear Structural Relationships. In: Quality and Quantity, 205-223.
- W.E. Saris, C.P. Middendorp  
Arms races: External security or domestic pressure? In: British Journal of Political Sciences, 10, 121-128.
- H. Blok, W.E. Saris  
Relevante variabelen bij het doorverwijzen na de lagere school; een structureel model. In: Tijdschrift voor Onderwijs-research, jrg. 5, 63-80.
- W.E. Saris, P. Neijens, L. van Doorn  
Scaling social science variables by multimodality matching. In: M.D.N., jrg. 5, 3-2.
- C. Bruinsma, W.E. Saris, I.N. Gallhofer  
A study of systematic errors in survey research: the effect of the perception of other people's opinions: In: M.D.N., jrg. 5, 127-145.
- 1981 C. Vermeulen, W.E. Saris  
Het sociologisch raadsel van de haviken en de duiven. In: Mens en Maatschappij, 1, jrg. 56, 5-21.
- P. Neijens, L. van Doorn, W.E. Saris  
De meting van beroepsprestige met behulp van psychofysische schaaltechnieken. In: Mens en Maatschappij.
- J. Dronkers, W.E. Saris  
Een beter schoolloopbaanmodel. In: Mens en Maatschappij, 1, jrg. 56, 42-62.
- W.M. de Pijper, W.E. Saris  
The effect of identification restrictions on the test statistics in latent variable models. In: K.G. Jøreskog and H. Wold (Eds.), Systems Under Indirect Observation. North Holland Publications Company.
- W.E. Saris  
Different questions, different variables. In: C.P. Middendorp e.a., Handelingen van het congres gehouden in Rotterdam, Dutch Sociometric Society, 1981.
- W.E. Saris, H. Blok  
Onderwijzeradvies en verborgen talent. In: Tijdschrift voor Onderwijsresearch

- W.E. Saris, W.M. de Pijper, P. Neijens  
Some notes on the computer steered interview. In: C.P. Middendorp e.a. Handelingen van het congres gehouden in Rotterdam, Dutch Sociometric Society, 1981
- W.E. Saris, H. Schild  
Interviewen met behulp van de vergelijkingsmethode. In: Jaarboek van de Nederlandse Vereniging van Marktonderzoekers, 1981.
- 1982 I.N. Gallhofer, W.E. Saris  
A decision theoretical analysis of decisions of the Dutch government with respect to Indonesia, Quality and Quantity, 3.
- 1983 I.N. Gallhofer, W.E. Saris  
A decision theoretical analysis of decisions of the Dutch government with respect to the intervention of the Security Council in Indonesia in the winter of 1948/1949, Acta Politica, 1.
- I.N. Gallhofer, W.E. Saris  
A decision theoretical analysis of decisions of the Dutch government in exile during World War II, Historical Social Research, Quantum Information, 26.
- L.J. van Doorn, W.E. Saris, M. Lodge  
Discrete or continuous measurement: what differences does it make? Kwantitatieve Methoden, 10.
- L.J. van Doorn, W.E. Saris, M. Lodge  
The measurement of issue-variables, functions of respondents, candidates and parties. In: C.P. Middendorp e.a. (ed.), Sociometric Research 1982, Dutch Sociometric Society.
- W.E. Saris, P. Neijens, J.A. de Ridder  
Kernenergie: ja of nee. Een weloverwogen mening van de Nederlandse bevolking, Amsterdam, S.S.O.
- W.E. Saris, P. Neijens  
De gestructureerde keuze-enquete als middel ter afsluiting van de BMD. Civis Mundi.
- 1984 C. Bruinsma, W.E. Saris  
Effects of Response Function in Survey Interviews on Evaluation of Job Qualifications. Kwantitatieve Methoden, nr. 15, 87-110.
- L.J. van Doorn, W.E. Saris, H. Komen  
Verschillende procedures om partij-identificatie te meten en hun consequenties. Acta Politica, 2, 211-238.
- W.E. Saris, I.N. Gallhofer  
Formulation of real life decisions: a study of foreign policy decisions. Acta Psychologica, 56, 247-265.

- W.E. Saris, J. den Ronden, A. Satorra  
Testing Structural Equation Models. In: P.F. Cuttance and J.R. Ecob (eds.),  
Structural Modeling. Cambridge University Press.
- W.E. Saris, L.H. Stronkhorst  
Causal Modelling in non-experimental research. Amsterdam: Sociometric  
Research Foundation, pp. 335.
- W.E. Saris  
Beslissingsproblemen van de ministerraad: Enkele resultaten van  
wetenschappelijk onderzoek. Amsterdam: Stichting voor Sociometrisch  
onderzoek (inaugurele rede), pp. 58.
- 1985 W.E. Saris  
Tres enfoques diferentes para resolver el problema del error aleatorio de  
medida en los modelos de ecuaciones lineales estructurales. In: J.J. Sánchez  
Carrion, Introducción a las técnicas de análisis multivariable aplicadas a las  
ciencias sociales. Madrid: Centro de Investigaciones Sociológicas, p. 247-  
265.
- I.N. Gallhofer, W.E. Saris  
Un procedimiento de codificación para la investigación empírica de la toma de  
decisiones políticas. Revista Internacional de Sociologica, vol. 43, p. 163-182.
- A. Satorra, W.E. Saris  
Power of the likelihood ratio test in covariance structure analysis.  
Psychometrika, vol. 50, p. 83-90.
- 1986 W.E. Saris, W.M. de Pijper  
Computer assisted interviewing using home computers. European Research,  
vol. 14, p. 144-150.
- W.M. de Pijper, W.E. Saris  
The formulation of interviews using the program Interv. Amsterdam.  
Sociometric Research Foundation, pp.168
- I.N. Gallhofer, W.E. Saris, M. Melman (Eds.)  
Different text analysis procedures for the study of decision making.  
Amsterdam. Sociometric Research Foundation. pp. 175
- 1987 W.E. Saris, A. Satorra, D. Sörbom  
Detection and correction of structural equation models. Sociological  
Methodology 1987, 105-131
- W.E. Saris, I.N. Gallhofer  
Sociometric Research I: data collection. London. MacMillan Press.
- W.E. Saris, I.N. Gallhofer  
Sociometric Research II: data analysis. London. MacMillan Press.

W.E. Saris  
Variation in Response Functions: a source of measurement error in survey research. Amsterdam. Sociometric Research Foundation.

W.E. Saris, B. v.d. Putte, K. Maas, H. Seip  
Vergelijkbaarheid van antwoorden: de noodzaak van meerdere referentiepunten. In: J. de Jong-Gierveld, J. v.d. Zouwen (red.): De vragenlijst in sociaal-wetenschappelijk onderzoek: een confrontatie van onderzoekspraktijk en methodiek. Deventer. Van Loghum Slaterus.

K. Maas, W.E. Saris, C.P. Middendorp  
Onzekerheid van kiezers over hun politieke voorkeur brengt opiniepeilers in problemen. In: Adformatie, 8, 1-4

1988 W.E. Saris  
A coding procedure for empirical research of political decision-making. In: W.E. Saris, I.N. Gallhofer (eds.): Sociometric Research, Vol. I. Data Collection and Scaling. London. McMillan.

W.E. Saris  
A measurement model for psychophysical scaling. In: Quality & Quantity, 22, 417-433

W.E. Saris, B. v.d. Putte  
True score of factor models. A secondary analysis of the ALLBUS-test-retest data. In: Sociological Methods & Research 17, 2, 123-157

W.E. Saris  
Variation in response functions is detectable in the special case of consensus. In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris, B. v. d. Putte, K. Maas, H. Seip  
Variation in response functions. In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris, T. Veugen  
Individual response functions and difference of opinion. In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris  
Conclusions and formalization. In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris, P. Neijens, J. de Ridder  
Variation in response functions and prescription for information integration.  
In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris, C. Bruinsma  
The effect of variation in response functions on the relationship between objective and subjective variables. In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris  
Variation in response functions and the relationships between subjective variables. In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris  
Summary and formalization. In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris, B. v.d. Putte, K. Maas, H. Seip  
Can variations in response functions be prevented? In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris, J.M. Batista Foguet  
Reduction in variation in response functions for social science variables: job satisfaction. In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris, K. de Rooy  
What kind of terms should be used for reference points? In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris  
How general is the solution? In: W.E. Saris (ed.): Variation in response functions: a source of measurement error in attitude research. Amsterdam. Sociometric Research Foundation.

W.E. Saris  
Individual response functions and correlations between judgements. In: W.E. Saris, I.N. Gallhofer (eds.): Sociometric Research, Volume I. Data Collecting and Scaling. London. McMillan Press.

W.E. Saris, C. Bruinsma

Why biased answers on evaluations of own job qualities in survey interviews arise. In: W.E. Saris, I.N. Gallhofer (eds.): *Sociometric Research, Volume I. Data Collection and Scaling*. London. McMillan Press.

W.E. Saris

Characteristics of structural equation models which affect the power of the likelihood ratio test. In: W.E. Saris, I.N. Gallhofer (eds.): *Sociometric Research, Volume II. Data Analysis*. London. McMillan Press.

1989 I.N. Gallhofer, W. E. Saris

Three methods for analysing decision making using written documents. In: H. Montgomery, O. Svenson (eds.): *Process and structure in human decision making*. New York. Wiley.

I.N. Gallhofer, W.E. Saris

Decision trees and decision rules in politics. The empirical decision analysis procedure. In: H. Montgomery, O. Svenson (eds.): *Process and structure in human decision making*. New York. Wiley.

H. Seip, K. Maas, W.E. Saris

Variation in response models for psychophysical scaling. In: B. v.d. Putte (ed.): *Individual and subgroup analysis: five substantive examples*. Amsterdam. Sociometric Research Foundation.

W.E. Saris

A technological revolution in data collection. In: *Quality and Quantity*, 23, 333-349

M. Verwey, W.E. Saris, K. Mosselman, L. v. Doorn

Tele-interviewing in practice: household incomes show large monthly fluctuations. In: *Marketing and Research Today*, vol. 17, 230-238

K. de Rooy, W.E. Saris, K. Maas

Wat de verkiezingscampagnes straks teweeg kunnen brengen. In: *Adformatie*, 30/31, 12-15

K. de Rooy, W.E. Saris, K. Maas

De PvdA zal nog een zeer smakelijk konijn uit de hoed moeten toveren. In: *Adformatie*, 34, 4-5

K. de Rooy, W.E. Saris, K. Maas

De eerste ronde is voor de PvdA. In: *Adformatie*, 35, 4-5

W.E. Saris, K. de Rooy, K. Maas

De PvdA-campagne bleef de beste, maar was dat genoeg om te winnen? In: *Adformatie*, 36, 4-5

W.E. Saris, K. de Rooy, K. Maas  
De beste campagne is geen garantie voor het winnen van verkiezingen. In:  
Adformatie, 41, 4-5

W.E. Saris, K. de Rooy  
Variatie in responsfuncties in opinie-onderzoek. In: J.v.d. Zouwen, W.  
Dijkstra (red.): Sociaal-wetenschappelijk onderzoek met vragenlijsten.  
Amsterdam. VU Uitgeverij.

A. Kersten, C. v. Rij, H.P. Kriesi, W.E. Saris, J. Visser  
De FNV-Barometer 1.1. Amsterdam. PSCW-UvA/FNV

A. Kersten, C. v. Rij, H.P. Kriesi, W.E. Saris, J. Visser  
De FNV-Barometer 2.0. Amsterdam. PSCW-UvA/FNV

A. Kersten, C. v. Rij, H.P. Kriesi, W.E. Saris, J. Visser  
De FNV-Barometer 3.0. Amsterdam. PSCW-UvA/FNV

K. Maas and W.E.Saris  
Uncertainty of voters: a discussion of implications of voter uncertainty in the  
polls. Esomar seminar Opinion Polls, 151-167, 1989

B. v. d. Putte, W.E. Saris, H.P. Kriesi  
Approval of issue-related protest behaviour. In: B. v. d. Putte (ed.): Individual  
and subgroup analysis: five substantive examples. Amsterdam. Sociometric  
Research Foundation.

B. v. d. Putte, W.E. Saris, H.P. Kriesi  
Aanvaardbaarheid van de inzet van actiemiddelen voor verschillende doelen.  
In: Acta Politica, vol. XXIV, 191-213

1990 A. Kersten, H.Hartman, I.N.Gallhofer, W.E.Saris  
Data collection on income and regular expenditures Amsterdam SRF, 1990

W.E. Saris (ed).  
Special Issue of Quality and Quantity, Structural equation models

W.E. Saris  
Models for evaluation of measurement instruments. In: W.E. Saris, A. v.  
Meurs (eds.): Evaluation of measurement instruments by meta-analysis of  
multitrait-multimethod studies. North-Holland

W.E. Saris  
Construct validity and error components of survey measures: a structural  
modelling approach. In: W.E. Saris, A. v. Meurs (eds): Evaluation of  
measurement instruments by meta-analysis of multitrait-multimethod studies.  
North-Holland.



- W.E. Saris  
The choice of a model for evaluation of measurement instruments. In: W.E. Saris, A. v. Meurs (eds.): Evaluation of measurement instruments by meta-analysis of multitrait-multimethod studies. North-Holland.
- W.E. Saris  
Memory effects in MTMM studies. In: W.E. Saris, A. v. Meurs (eds.): Evaluation of measurement instruments by meta-analysis of multitrait multimethod studies. North-Holland.
- W.E. Saris  
The choice of a research design for MTMM studies. In: W.E. Saris, A. v. Meurs (eds.): Evaluation of measurement instruments by meta-analysis of multitrait multimethod studies. North-Holland.
- 1991 H.Hartman, W.E.Saris, I.N.Gallhofer, J.Leeuwin, J. Verwey, N.Lemmens  
Data collection on expenditures. Amsterdam SRF, 1991
- W.E. Saris  
Computer-assisted interviewing. In: Sage Series Quantitative applications in the social sciences, nr. 07-080
- W.E. Saris, F.M. Andrews  
Evaluation of measurement instruments using a structural modelling approach. In: P. Biemer, R. Groves, L. Lyberg, N. Mathiowetz, S. Sudman (eds.): Measurement errors in surveys. John Wiley & Sons.
- W.E. Saris  
New possibilities for political participation: Teledemocracy. In: Direkte Demokratie, Schweizerisches Jahrbuch für Politische Wissenschaft. Bern. Paul Haupt.
- W.E. Saris, A. Satorra, W.M. de Pijper  
A comparison of several approximations to the power function of the likelihood ratio test in covariance structure analysis. In: Statistica Neerlandica, 45, nr. 2, 173-185
- W.E. Saris  
Book review of K. Bollen: Structural equations with latent variables, and B.M. Byrne: A primer of LISREL: basic applications and programming for confirmatory factor analytic models. In: Journal of Official Statistics, vol. 6, nr. 2, 249-258.
- 1992 J. M. Batista-Foguet and W. E. Saris  
A new measurement procedure for attitudinal research: Analysis of its psychometric and informational properties. Quality and Quantity, 26,127-146, 1992

- P. Neijens, J. A. de Ridder and W.E.Saris  
An instrument for collecting informed opinions. *Quality and Quantity*, 26, 245-258.
- B. van den Putte, C. v. Rij, W.E. Saris,  
De FNV-Barometer 8. Amsterdam. PSCW-UvA/FNV
- B. van den Putte, C. v. Rij, W.E. Saris,  
De FNV-Barometer 9. Amsterdam. PSCW-UvA/FNV
- B. van den Putte, C. v. Rij, W.E. Saris,  
De FNV-Barometer: opsplitsing naar geslacht werktijd en bedrijfssector.  
Amsterdam. PSCW-UvA/FNV
- B van den Putte, C. v. Rij, W.E. Saris,  
Participatie in de vakbonden: een opiniepeiling onder FNV-leden, Amsterdam.  
PSCW-UvA/FNV
- C van Rij, B.van den van,Putte, S.Nandram, B.Klandermans, W.E. Saris,  
G.van der Veen, J.de Visser  
Participatie in de vakbonden: een opiniepeiling onder de beroepsbevolking  
(eerste meting), Amsterdam. PSCW-UvA/FNV
- W.E.Saris, P.Prastacos, M.Marti-Recober  
CASIP: a complete automated system for information processing in family  
budget research. *Proceedings of the Conference on New Techniques and  
Technologies for Statistics*, Eurostat, Bonn, 80-87.
- A. Scherpenzeel and W.E.Saris  
Effects of response scales, order and position on data quality: an illustration of  
the evaluation of measurement instruments by meta-analysis of MTMM  
studies. *Kwantitatieve Methoden*, 39,19-38,1992.
- 1993 A.Hoogendoorn, W.E.Saris, D.Sikkel  
Betrouwbaarheidsintervallen in het STP bestedingen- onderzoek. Amsterdam,  
Nimmo,11, 1993.
- H.P.Kriesi, W.E.Saris and A.Wille  
Mobilization potential for environmental protest. *European Sociological  
Review*, 155-172,1993
- E.J.G.C Oord, W.E.Saris, A.Hogendoorn, M.van Maurik, N.Kalfs, C.Tiebosch  
and R.Voogt  
Twee kwartalen bestedingen aan vlees en vleeswaren in het STP  
bestedingenonderzoek, Rapport voor het productschap voor Vee en Vlees,15.

E.J.G.C Oord, W.E. Saris, A. Hogendoorn, M. van Maurik, N.Kalfs,  
C.Tiebosch and R.Voogt

Twee kwartalen bestedingen aan pluimvee en eieren in het STP  
bestedingenonderzoek, Rapport voor het productschap voor Pluimvee en  
Eieren,12.

E.J.G.C Oord, W.E. Saris, A. Hogendoorn, M.van Maurik, N.Kalfs,  
C.Tiebosch and R.Voogt

Twee kwartalen bestedingen aan zuivel in het STP bestedingenonderzoek,  
Rapport voor het productschap voor Zuivel,13.

E.J.G.C Oord, W.E. Saris, A. Hogendoorn, M.van Maurik, N.Kalfs,  
C.Tiebosch and R.Voogt

Twee kwartalen bestedingen aan aardappelen in het STP  
bestedingenonderzoek, Rapport voor het productschap voor Aardappelen.

E.J.G.C Oord, W.E. Saris, A. Hogendoorn, M.van Maurik, N.Kalfs,  
C.Tiebosch and R.Voogt

Twee kwartalen bestedingen aan brood en banket in het STP  
bestedingenonderzoek, Rapport voor de Nederlandse bakkerij stichting,14.

E.J.G.C.Oord, W.E. Saris, A. Hogendoorn, M.van Maurik, N.Kalfs,  
C.Tiebosch and R.Voogt

Twee kwartalen bestedingen aan groente en fruit in het STP  
bestedingenonderzoek, Rapport voor het productschap voor Groenten en  
fruit,12.

B. van den Putte, C. v. Rij, W.E. Saris,  
De FNV-Barometer 10.. Amsterdam. PSCW-UvA/FNV,39

B. van den Putte, C. v. Rij, W.E. Saris,  
De FNV-Barometer 11.. Amsterdam. PSCW-UvA/FNV,37

B. van den Putte, S. Nandram, B.Klandermans, W.E. Saris, G.van der Veen,  
J.de Visser  
Participatie in de vakbonden: een opiniepeiling onder CNV/FNV-leden  
(tweede meting), Amsterdam. PSCW-UvA/FNV

B. van den Putte, S. Nandram, B.Klandermans, W.E. Saris, G.van der Veen,  
J.de Visser  
Participatie in de vakbonden: een opiniepeiling onder de beroepsbevolking  
(tweede meting), Amsterdam. PSCW-UvA/FNV

C van Rij ,en W.E.Saris  
Time dependency of trade union membership. Quality and Quantity, 27, 73-  
93.

Saris W.E.  
De vergeten groep in het WAO debat: De Nederlandse bevolking, Nimmo,  
Amsterdam,45.

W.E.Saris.

Attitude measurement: Is there still hope? In Krebs and Schmidt (eds.) New directions in attitude measurement, Walter de Gruyter, New York, 187-205.

W.E. Saris

CASIP: A complete automated system for information processing in budget research, Report for Eurostat, 230.

W.E.Saris and A. Satorra

Power evaluations in structural equation models. In K.A. Bollen and J.S. Long (Eds.) Testing Structural Equation Models. London, Sage. pp 181- 205.

A. Satorra and W.E. Saris

On the goodness-of-fit test in structural equation models: extreme directions of power. Steyer, Wender and Widaman (Eds.) Psychometric methodology. Fisher Verlag , Stuttgart, 457-462.

A.Scherpenzeel, W.E. Saris

The evaluation of measurement instruments by meta-analysis of MTMM studies. Bulletin de methodologie Sociologique, 39,3-19,1993

I.N.Gallhofer, W.E. Saris, R.Voogt

From individual preferences to group decisions in foreign policy decision-making. The Dutch Council of Ministers. European Journal of Political Research, 151-170, 25.

1994 E.J.G.C Oord, W.E. Saris, en C.Tiebosch

Bestedingen aan vlees en vleeswaren in het eerste kwartaal van 1994, STP Rapport voor het productschap voor Vlees en Vleeswaren,150.

E.J.G.C Oord , W.E. Saris, en C.Tiebosch

Bestedingen aan vlees en vleeswaren in het tweede kwartaal van 1994, STP Rapport voor het productschap voor Vlees en Vleeswaren,150.

E.J.G.C Oord, W.E. Saris, en C.Tiebosch

Bestedingen aan vlees en vleeswaren in het derde kwartaal van 1994, STP Rapport voor het productschap voor Vlees en Vleeswaren,150.

E.J.G.C Oord , W.E. Saris, en C.Tiebosch

Bestedingen aan pluimvee en eieren in het eerste kwartaal van 1994, STP Rapport voor het productschap voor Pluimvee en Eieren,110.

E.J.G.C Oord , W.E. Saris, en C.Tiebosch

Bestedingen aan pluimvee en eieren in het tweede kwartaal van 1994, STP Rapport voor het productschap voor Pluimvee en Eieren,110.

E.J.G.C Oord , W.E. Saris, en C.Tiebosch

Bestedingen aan pluimvee en eieren in het derde kwartaal van 1994, STP Rapport voor het productschap voor Pluimvee en Eieren,110.

B van den Putte, C. v. Rij, W.E. Saris,  
De FNV-Barometer 10.. Amsterdam. PSCW-UvA/FNV,37

W. E. Saris, P. Prastacos, M. Marti Recober  
CASIP: A complete automated system for information processing in family  
budget research. Nimmo,161, 1994

W.E.Saris, E.van den Oord  
Betrouwbaarheidsintervallen in het bestedingenonderzoek van STP voor het  
productschap voor Vee en Vlees. STP,12, 1994.

1995 W.E.Saris, P.Prastacos and M.Marti-Recober.  
CASIP: A complete automated system for information processing in budget  
research. Metodoloski Zveski,10, Ljubljana, 3-18.

Van den Putte, W. E. Saris, Hoogstraten,  
Measurement with multiple indicators and psychophysical scaling in the  
context of Fishbein and Ajzen's theory of reasoned action. Quality and  
Quantity, 29, 207-222.

W. E. Saris and J. M. Batista-Foguet  
Indicadores sociales con relación al papel que desempeñan las mujeres en la  
sociedad. In Alvaro Page (Ed.) Propuesta de un sistema de indicadores  
sociales de igualdad entre géneros. Madrid: Ministerio de asuntos sociales  
España, 97-131.

W. E. Saris  
A complete automated system for information processing for fast moving  
goods. Esomar, Information technology: How can research keep up with the  
pace of change. Amsterdam Esomar,37-49.

W.E.Saris  
Computer assisted interviewing. In M.Lewis Beck (Ed.). Research Practice  
Vol. 6, 163-250. London, Sage

W.E. Saris  
Designs and models for quality assessment of survey measures. In Saris, W.E.  
and A Münnich (Eds.) Multitrait Multimethod approach to evaluate  
measurement instruments. Budapest, Eötvös University Press, 9-39.

L. van Meurs and W.E. Saris  
Memory effects in MTMM studies. In Saris, W.E. and A Münnich (Eds.)  
Multitrait Multimethod approach to evaluate measurement instruments.  
Budapest, Eötvös University Press, 89-103.

- G. Coenders and W.E. Saris  
Categorization and measurement quality. The choice between Pearson and Polychoric correlations. In Saris, W.E. and A Münnich (Eds) Multitrait Multimethod approach to evaluate measurement instruments. Budapest, Eötvös University Press, 125-145.
- Saris W.E. and A.Scherpenzeel  
Correction for measurement error in life satisfaction research. In Saris, W.E. and A.Münnich (Eds) Multitrait Multimethod approach to evaluate measurement instruments. Budapest, Eötvös University Press, 243-269.
- W.E. Saris and A. Münnich (Eds.)  
Multitrait Multimethod approach to evaluate measurement instruments. Budapest, Eötvös University Press, 280.
- 1996 Gallhofer I.N. and W.E.Saris  
Foreign Policy Decision Making: A Qualitative and Quantitative Analysis of political Argumentation. Westport, Connecticut: Praeger.
- Saris W.E., R.Veenhoven , A.Scherpenzeel and B.Bunting  
A comparative Study of Satisfaction with Life in Europe, Budapest: Eötvös University Press, 305 pages. ISBN 963-463-0812
- Bosch B.en W.E.Saris  
Zijn de leefstijlen in Nederland drie dimensionaal? In Mens en Maatschappij, 71, 58-74.
- Neijens P., M.Minkman, J.de Ridder, W.E.Saris and J.Slot  
A decision aid in a referendum. In International Journal of Public Opinion Research, 8, 83-90.
- Saris W.E. and A.Scherpenzeel  
Methodological procedures for comparative research. In Saris W.E., R.Veenhoven, A.Scherpenzeel and B.Bunting (Eds.) A comparative Study of Satisfaction with Life in Europe, Budapest: Eötvös University Press, 49-78.
- Saris W.E. and A.Andreenkova  
Study of the effect of individual income change on satisfaction in Russia. In Saris W.E., R.Veenhoven, A.Scherpenzeel and B.Bunting (Eds.). A comparative Study of Satisfaction with Life in Europe, Budapest: Eötvös University Press, 271-282.
- Saris W.E. and A. Ferligoj  
Life satisfaction and domain satisfaction in 10 European Countries: correlation at individual level. In Saris W.E., R.Veenhoven, A.Scherpenzeel and B.Bunting (Eds.). A comparative Study of Satisfaction with Life in Europe, Budapest: Eötvös University Press, 283-288.

- Saris W.E.  
Integration of data and theory: a mixed model of satisfaction. In Saris W.E., R.Veenhoven, A.Scherpenzeel and B.Bunting (Eds.). A comparative Study of Satisfaction with Life in Europe, Budapest: Eötvös University Press, 289-305.
- Scherpenzeel and W.E.Saris  
Causal direction in a model of Life satisfaction: the top-down /bottom- up controversy. In Social Indicators, 38, 161-180.
- Veenhoven R. and W.E.Saris  
Satisfaction in 10 countries: summary of findings. In Saris W.E., R.Veenhoven , A.Scherpenzeel and B.Bunting (Eds.). A comparative Study of Satisfaction with Life in Europe, Budapest: Eötvös University Press, 223-230.
- 1997 W.E. Saris & M. Kaase (Eds.)  
Eurobarometer. Measurement instruments vor opinions in Europe, ZUMA, Mannheim, 1997, ISBN: 3-924220-12-3, 181 pp.
- I.N. Gallhofer & W.E. Saris. Collective choice processes. A qualitative and quantitative analysis of foreign policy decision-making. Praeger Publishers, Westport, USA, 1977, ISBN: 0-275-96029-3, 212 pp.
- W.E.Saris  
The public opinion about the EU can easily be swayed in different directions. In Acta Politica, vol. 32, 406-436, 1997.
- W.E. Saris, J.A. Hagenaars  
Mode effects in the standard Eurobarometer questions. In: Eurobarometer. Measurement instruments vor opinions in Europe (W.E. Saris & M. Kaase, eds.), ZUMA, Mannheim, 1997, p. 87-100.
- W.E. Saris  
Comparability across mode and country. In: Eurobarometer. Measurement instruments vor opinions in Europe (W.E. Saris & M. Kaase, eds.), ZUMA, Mannheim, 1997, ISBN 3-924220-12-3, p. 125-140.
- W.E. Saris  
Adjustment for differences between face to face and telephone interviews. In: Eurobarometer. Measurement instruments vor opinions in Europe (W.E. Saris & M. Kaase, eds.), ZUMA, Mannheim, 1997, ISBN 3-924220-12-3, p. 141-156.
- W.E. Saris & M. Kaase  
Summary and discussion. In: Eurobarometer. Measurement instruments vor opinions in Europe (W.E. Saris & M. Kaase, eds.), ZUMA, Mannheim, 1997, ISBN 3-924220-12-3, p. 157-170.
- Coenders, A. Satorra, W.E. Saris  
Alternative approaches to structural modeling of ordinal data: a Monte Carlo study. Structural Equation Modeling, 4 (4), 261-282, 1977.

J.M. Batista-Foguet & W.E. Saris  
Tests of stability in attitude research. *Quality & Quantity* 31: 269-285, 1997.

M. Kaase & W.E Saris  
The Eurobarometer: A tool for comparative survey research. In:  
Eurobarometer. Measurement instruments vor opinions in Europe (W.E. Saris  
& M. Kaase, eds.), ZUMA, Mannheim, 1997, ISBN 3-924220-12-3, p. 7-26.

J.Lass, W.E. Saris & M. Kaase  
Sizes of the different effects: Coverage, mode and nonresponse. In:  
Eurobarometer. Measurement instruments vor opinions in Europe (W.E.  
Saris & M. Kaase, eds.), ZUMA, Mannheim, 1997, ISBN 3-924220-12-3, p.  
73-86.

Scherpenzeel A, & W.E.Saris  
The validity and reliability of survey questions: a meta analysis of MTMM  
studies. In *Sociological Methods and Research*, vol. 25, 341-383, 1997.

1998 Saris W.E.  
The effect of measurement error in cross cultural research. In Harkness J.  
(ED). *Cross cultural survey equivalence*. ZUMA Nachrichten Band 3. 67-87,  
1998.

Saris W.E.  
Ten years of interviewing without interviewers: The telepanel. In Couper  
M.P., R.P.Baker, J.Bethlehem, C.Clark, J.Martin, W.L.Nicholls II, J.M.  
O'reilly (eds.) *Computer assisted survey information collection*. New York  
Wiley, 409-431.

Saris W.E.  
Words are sometimes not enough to express the existing information. In  
Fennema M., C.v.d.Eijk and H.Schijf. In *Search of Structure*. Amsterdam,  
Het Spinhuis. 63-73, 1998.

Saris W.E. and I.N.Gallhofer  
Classificatie van survey vragen. In *Tijdschrift voor Communicatie  
wetenschap*. 26, 96-121, 1998.

Saris W.E. and I.N.Gallhofer  
Weten we wel wat we meten. In *Onderzoek*, 26 - 30, 1998.

Coenders G. and W.E.Saris  
Relationship between a restricted correlated uniqueness model and a direct  
product model for multitrait multimethod data. In A.Ferligoj (Ed) *Advances in  
methodology, data analysis and statistics*. Metodoloski Zvezki 14. Ljubljana,  
FDV, 152-172, 1998.



- Kalfs N. and W.E. Saris  
Large differences in time use for three data collection systems. In *Social Indicators Research* 44: 267-90.
- Saris W.E., T.van Wijk & A.Scherpenzeel  
Validity and reliability of subjective social indicators: the effect of different measures of association. *Social Indicators Research* 45, 173-199.
- 1999 Coenders G, W.E.Saris, J.M.Batista-Foguet, A.Andreenkova  
Stability of three-wave simplex estimates of reliability. *Structural equation modeling* 6, 135-157.
- 2000 Ehrhardt J.J., W.E.Saris & R.Veenhoven  
Stability of life-satisfaction over time: analysis of change in ranks in national population. *Journal of Happiness Studies*, 1, 177-205.
- Gallhofer I.N.& W.E.Saris Formulierung und Klassifikation von Fragen.  
*ZUMA Nachrichten*, 46, 43-73, 2000.
- Van de Veld W.M. & W.E.Saris  
Problems in Russian opinion polls: memory effects, acquiescence and awareness. *Kwantitatieve Methoden*, 64, 87-117, 2000.
- Saris W.E.  
Measurement models in sociology and political science. In Cudeck R., S.du Toit and D.Sörbom (Eds.) *Structural Equation modeling Present and Future A Festschrift in honour of Karl Jöreskog*. Lincolnwood, SSI, 97-117, 2000.
- 2001 Saris W.E.  
The relationship between income and satisfaction: The effect of measurement error and suppressor variables. *Social Indicators Research*, 53, 117-136
- Moeller V and W.E.Saris  
The relationship between subjective well-being and domain satisfaction in South Africa, In *Social Indicators Research*, vol. 55, 97-114.
- 2002 Corten I.W., W.E. Saris, W.M. van der Veld. C.E. Aalberts and C.Kornelis  
Fit of different models for Multitrait-Multimethod Experiments. *Structural Equation Modeling*, 9 (2), 213-232.
- Saris W.E.  
The strength of the causal relationship between living conditions and satisfaction. *Sociological Methods and Research*, Vol. 30, 11-34.
- Saris W.E. and A.Andreenkova  
Happiness in Russia, A Special Issue of the *Journal of Happiness Studies*, Vol.2 no 2.

Saris W.E, Saris and A. Andreenkova  
Following changes in living conditions and happiness in Post Communist  
Russia: The Russet Panel, *Journal of Happiness Studies*, Vol. 2, 95-109.

Saris W.E.  
What influences Subjective Well-Being in Russia? *Journal of Happiness  
Studies*, Vol. 2, 137 –146.

Willem E.Saris and Irmtraud Gallhofer  
Report on the MTMM experiments in the pilot studies and a proposal for  
Round 1 of the ESS. Report prepared for the ESS.

2003 Voogt R.J.J. and W.E.Saris  
To participate or not to participate: the link between survey participation,  
electoral participation and political interest. *Political Analysis* 11:164-179.

Saris W.E. and C.Aalberts  
Different explanations for correlated disturbance terms in MTMM studies. In  
*Structural Equation Modeling* , 10, 193- 214.

Saris W.E.  
Multimethod studies. In J.A.Harkness, F. van der Vijver and P.Mohler (Eds.)  
*Cross-Cultural Survey Methods*. Wiley.265- 275.

Saris W.E.  
Response function equality. In J.A.Harkness, F. van der Vijver and P.Mohler  
(Eds.) *Cross-Cultural Survey Methods*. Wiley. 275-291.

Willem E.Saris and Irmtraud Gallhofer  
*Cross-Cultural Research Comparability: The Effects of Random and  
Systematic Errors*. A report about the quality of the first round ESS data,  
prepared for the ESS.

2004 W.E.Saris and Irmtraud Gallhofer  
Operationalization of social science concepts by intuition. *Quality and  
Quantity* 38, 235-258.

Saris W.E. & P.Sniderman  
*Studies in Public Opinion: Attitudes, nonattitudes, measurement error and  
change*. Princeton, Princeton University Press.

Saris W.E., A.Satorra & G.Coenders  
A new approach to evaluating the quality of measurement instruments: the  
split-ballot MTMM design. *Sociological Methodology* 2004, 311- 347.

Saris W.E., W. van der Veld and I.Gallhofer  
Development and improvement of questionnaires using predictions of  
reliability and validity. In Presser et al. (Eds.) *Methods for testing and  
evaluating survey questionnaires*. Hoboken, Wiley, 275-299.

- Akos Munnich, Rob Mokken and Willem Saris  
Testing n-stimuli bisymmetry. In *Journal of Mathematical psychology*, 399-408.
- 2005 Germa Coenders Gallert, J.M.Batista Foguest and Willem E.Saris  
Temas avanzados en modelos de ecuaciones estructurales. Madrid, La Muralla
- Gimeno A, Labadie G, Mendoza,X, Saris W.  
El desempeño en la empresa familiar: principales factores externos explicativos. Barcelona, El patrimonio familiar, profesional y empresarial.
- Voogt R. and W.E.Saris  
Mixed mode designs: finding the balance between nonresponse bias and mode effects. In *Journal of Official Statistics*, 367-289
- Willem E.Saris and Irmtraud Gallhofer  
Evaluation of the topics in the supplementary questionnaire of the ESS pilot study for the second round. Report prepared for the ESS.
- 2006 Scherpenzeel and Saris (2006)  
Multitrait Multimethod models for longitudinal research. In K. van Montford, H.Oud and A.Satorra (Eds.) *Longitudinal models in behavioural and related sciences*. London, Lawrence Erlbaum, 381-403.
- Willem E.Saris and Irmtraud Gallhofer  
The results of the MTMM experiments in round 2. A Report prepared for the ESS.
- Bisbe, J.; Coenders, G.; Saris, W.E. y JM. Batista-Foguet  
Correcting Measurement Error Bias in Interaction Models with Small Samples. *Metodoloski Zvezki*, 3(2), 267- 287
- 2007 Saris, W.E., J.M Batista-Foguet and G.Coenders  
Selection of indicators for the interaction term in Structural equation models with interaction, *Quality and Quantity*, 41, 55-72
- Saris, W.E.; Gallhofer, I.  
Can questions travel successfully? In Jowell et al. (Eds.): *Measuring Attitudes Cross-Nationally*. 53-79. Sage, London.
- Saris W.E. and I.N. Gallhofer  
Design, evaluation and Analysis of questionnaires for survey research, NewYork, Wiley
- Guillén, L., Saris, W.E., & Boyatzis, R.E.  
Assessing the relationship between EI and personality. *Organization and People*. 14:17-26.

- Oberski D., W.E. Saris and J.A. Hagenaars  
Differences in quality of questions across countries. In *Festschrift for Jaak Billiet*.
- Saris W.E. and I.N. Gallhofer  
Estimation of the effect of measurement characteristics on the quality of survey questions. In *Survey Research Methods*, 1, 31-46
- 2008 Coenders, G., Batista-Foguet, J.M. and W.E. Saris  
Simple, Efficient and Distribution-free Approach to Interaction Effects in Complex Structural Equation Models. *Quality & Quantity*. 42(3), 369-396
- Oberski, D.L., Hagenaars J. A. P., and W. E. Saris  
"Categorization Errors and Differences in the Quality of Questions Across Countries" in T. D. Johnson and M. Braun (eds.). *Survey Methods in Multinational, Multiregional, and Multicultural Contexts (3MC)*. New York: Wiley and Sons, Ltd.
- Coromina, Ll., Saris, W.E. & Oberski, D.  
The Quality of the measurement of interest in the political issues presented in the media in the ESS. *Ask, Research & Methods*, (17): 7-30.
- 2009 Saris, W.E., A.Satorra and W.van der Veld  
Testing structural equation models or detection of misspecifications? *Structural Equation Modeling*, 16(4): 561-582.
- Coromina Ll. and W.Saris  
Quality of media use measurement. *International Journal of Public Opinion Research*, advance access published on November 9, 2009.  
doi:10.1093/ijpor/edp014.
- Knoppen, D., & Saris, W.E.  
Do we have to combine Values in the Schwartz' Human Values scale? A Comment on the Davidov Studies. *Survey Research Methods*, 3(2), 91-103.
- Batista-Foguet, JM., Saris, W.E., Boyatzis, R., Guillén, L. and R. Serlavós  
Effect of Response Scale on Assessment of Emotional Intelligence Competencies. *Personality and Individual Differences*, 46 (5-6), 575-580.
- Guillén, L., Saris, W. & Boyatzis, R.E.  
The impact of emotional and social competencies on effectiveness of Spanish executives. *Journal of Management Development*, 28, 9, 771-793.
- Forthcoming
- Saris, W.E. and J.M. Batista Foguet (in press)  
Contactos sociales, confianza social y confianza política en Europa. *Medición y relaciones*. In Font, J., Montero, JR. y M. Torcal (Eds.). *La participación política de los españoles: dimensiones y niveles*.

Guillén Ramo, L., Saris, W.E. and Boyatzis, R.E. (in press).  
Do Social and Emotional competencies predict job performance? *Journal of Management Development*.

Guillén Ramo, L., Saris, W.E. & Boyatzis, R.E. (in revision).  
A behavioural approach to emotional intelligence: measurement Issues.  
*Personality and Individual Differences*.