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Read this special two part article selection, chosen by the Editors of *European Journal of Operational Research*, to mark the journal's 40 year anniversary.

"The *European Journal of Operational Research* (EJOR) published its first issue in 1977, and thus in 2017, the journal celebrates its 40th anniversary. On this occasion, the editors present a special anniversary issue composed of 40 influential papers in the history of EJOR.

The selection has been made from among 14,617 articles published in EJOR until the end of 2016. It is composed of two parts: 20 most cited papers according to the Scopus ranking, and 20 papers characteristic for recent trends, published in each of the last 20 years. Some review articles presenting benchmark problems or a literature review have been excluded from the list in spite of a high citation score, so as to leave the place for papers shaping the field with new ideas.

The selection proves that EJOR is covering a broad field of Operational Research (OR) and Management Science (MS), with a wide range of authors from institutions and countries from all over the world. We encourage you to read this anniversary issue and see the milestones, as well as recent trends in the field of OR & MS, witnessed by the selected articles." - The Editors

Part 1: 20 of the most cited EJOR papers

Measuring the efficiency of decision making units
Abraham Charnes, William Wager Cooper, Edwardo Rhodes
Volume 2, Issue 6, November 1978, Pages 429-444

How to make a decision: The analytic hierarchy process
Thomas L. Saaty
Volume 48, Issue 1, 5 September 1990, Pages 9-26

Applications of the extent analysis method on fuzzy AHP
Da-Yong Chang
Volume 95, Issue 3, 20 December 1996, Pages 649-655

Efficiency of financial institutions: International survey and directions for future research
Allen N. Berger, David B. Humphrey
Volume 98, Issue 2, 16 April 1997, Pages 175-212

Vendor selection criteria and methods
Charles A. Weber, John R. Current,W.C. Benton
Volume 50, Issue 1, 7 January 1991, Pages 2-18

Analytic hierarchy process: An overview of applications
Omkarprasad S. Vaidya, Sushil Kumar
Volume 169, Issue 1, 16 February 2006, Pages 1–29

Quantitative models for reverse logistics: A review
Moritz Fleischmann, Jacqueline M. Bloemhof-Ruwaard, Rommert Dekker, Erwin van der Laan, Jo A.E.E. van Nunen, Luk N. Van Wassenhove
Volume 103, Issue 1, 16 November 1997, Pages 1-17

Variable neighborhood search: Principles and applications
Pierre Hansen , Nenad Mladenović
Volume 130, Issue 3, 1 May 2001, Pages 449–467

Compromise solution by MCDM methods: A comparative analysis of VIKOR and TOPSIS
Serafim Opricovic, Gwo-Hshiung Tzeng
Volume 156, Issue 2, 16 July 2004, Pages 445–455

Rough sets theory for multicriteria decision analysis
Salvatore Greco, Benedetto Matarazzo, Roman Slowinski
Volume 130, Issue 3, 1 May 2001, Pages 449–467

A survey of maintenance policies of deteriorating systems
Hongzhou Wang
Volume 139, Issue 3, 16 June 2002, Pages 469–489

Resource-constrained project scheduling: Notation, classification, models, and methods
Peter Brucker, Andreas Drexl, Rolf Möhring, Klaus Neumann, Erwin Pesch
Volume 112, Issue 1, 1 January 1999, Pages 3–41

How to select and how to rank projects: The Promethee method
Jean Pierre Brans, Philippe Vincke, Bertrand Mareschal
Volume 24, Issue 2, February 1986, Pages 228-238

A slacks-based measure of efficiency in data envelopment analysis
Kaoru Tone
Volume 130, Issue 3, 1 May 2001, Pages 498–509

Enterprise resource planning: Implementation procedures and critical success factors
Elisabeth J Umble, Ronald R Haft, M.Michael Umble
Volume 146, Issue 2, 16 April 2003, Pages 241–257

Coordinated supply chain management
Douglas J. Thomas, Paul M. Griffin
Volume 94, Issue 1, 11 October 1996, Pages 1-15

A survey of scheduling problems with setup times or costs
Ali Allahverdi, C.T. Ng, T.C.E. Cheng, Mikhail Y. Kovalyov
Volume 187, Issue 3, 16 June 2008, Pages 985–1032

The vehicle routing problem: An overview of exact and approximate algorithms
Gilbert Laporte
Volume 59, Issue 3, 25 June 1992, Pages 345-358

Facility location and supply chain management – A review
Márcio T. Melo, Stefan Nickel, Francisco Saldanha-da-Gama
Volume 196, Issue 2, 16 July 2009, Pages 401–412

Simulated annealing: A tool for operational research
Richard W. Eglese
Volume 46, Issue 3, 15 June 1990, Pages 271-281

Part 2: 20 trendsetting papers of the last 20 years

Rough set approach to knowledge-based decision support
Zdzisław Pawlak
Volume 99, Issue 1, 16 May 1997, Pages 48-57

Strategic facility location: A review
Susan Hesse Owen, Mark S. Daskin
Volume 111, Issue 3, 16 December 1998, Pages 423–447

Deterministic job-shop scheduling: Past, present and future
Anant Singh Jain, Sheik Meeran
Volume 113, Issue 2, March 1999, Pages 390–434

An effective implementation of the Lin–Kernighan traveling salesman heuristic
Keld Helsgaun
Volume 126, Issue 1, 1 October 2000, Pages 106–130

Pitfalls and protocols in DEA
Robert G. Dyson, Rachel Mark Allen, Ana Santos Camanho, Victor V. Podinovski, Cláudia S. Sarrico, Estelle A. Shale
Volume 132, Issue 2, 16 July 2001, Pages 245–259

Modeling undesirable factors in efficiency evaluation
Lawrence M. Seiford, Joe Zhu
Volume 142, Issue 1, 1 October 2002, Pages 16–20

Enterprise resource planning: A taxonomy of critical factors
Majed Al-Mashari, Abdullah Al-Mudimigh, Mohamed Zairi
Volume 146, Issue 2, 16 April 2003, Pages 352–364

Problem structuring methods in action
John Mingers, Jonathan Rosenhead
Volume 152, Issue 3, 1 February 2004, Pages 530–554

A stochastic programming approach for supply chain network design under uncertainty
Tjendera Santoso, Shabbir Ahmed, Marc Goetschalckx, Alexander Shapiro
Volume 167, Issue 1, 16 November 2005, Pages 96–115

OR/MS research in disaster operations management
Nezih Altay, Walter G. Green III
Volume 175, Issue 1, 16 November 2006, Pages 475–493

An improved typology of cutting and packing problems
Gerhard Wäscher, Heike Haußner, Holger Schumann
Volume 183, Issue 3, 16 December 2007, Pages 1109–1130

Ant colony optimization for continuous domains
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Operations Research for green logistics – An overview of aspects, issues, contributions and challenges
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Victor Pillac, Michel Gendreau, Christelle Guéret, Andrés L. Medaglia
Volume 225, Issue 1, 16 February 2013, Pages 1–11

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Marcus Brandenburg, Kannan Govindan, Joseph Sarkis, Stefan Seuring
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Christian Bierwirth, Frank Meisel
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