

Curriculum Vitae (CV)

1. Applied Position	Manager of Rahbord Danesh Pouya Institute of Researching and Engineering
2. Name of Firm	Rahbord Danesh Pouya Institute of Researching and Engineering
3. Name of Expert	Davood Reza Arab (داودرضا عرب)
4. Date of Birth	–
	Citizenship Iranian
	Address: No 3, Abbaspour St., Farhang St., Ardestani Ave., Kharazi Highway, Tehran, Iran
5. Complete Personal Contact Details	Telephone Number: (+98) 21-44991169 & 70, Cell: +98912-658_9866 Email Address: davoodrezaarab@yahoo.com

6. Education

- Ph.D. (Doctor of Engineering) in Water Resource Engineering, Sharif University of Technology, Iran, 2002
- Master of Civil Engineering, Faculty of Civil Engineering, Hydraulic Structure, Sharif University of Technology, Iran, 1995
- Bachelor's Degree in Civil Engineering, Sharif University of Technology, Iran, April 1992

Research Publication in the last 7 years (major one).

Papers:

- **Arab D.R.**, A. Shamsai, M. Heidari; "Multi Objective Management of Groundwater in fuzzy environment"; Accepted to Appear in Water Resources Bulletin.
- **Arab D.R.**, A. Shamsai, A. Abrishamchi; "Estimation of Transmissivity Using Artificial Neural Network and Fuzzy Clustering"; Accepted to Appear in Scientia
- **Arab D.R.**, S.M Borghei, N.Sadati; "Determination of Discharge Coefficient for Oblique Shape Crested Wiers by Neural Network ", Seventh International Conference HYDROSOFT 98, Como, Italy, 1998.
- **Arab D.R** et al.; "The Value Engineering study of Marun regulating dam in Iran", Fourth international symposium of concrete roller dams; Madrid, Spain, 2003.
- **Arab D.R.** 4th Comprehensive Conference on Crisis Management and HES. University of Tehran. 2016
- **Arab D.R.** Scientific Responsibility and Conference Manager. 4th National Conference on Flood Management and Engineering with Urban Flood Approach. 2016
- **Arab D.R.**, Nemati, M, Rafie, N and Karaji, A. The Role of Value Engineering in Solving Problems of Simin-Dasht Water Transmission Plan to Garmsar. 3rd International Conference on Value Engineering, Tehran. 2016
- **Arab D.R** and Nasiri, M. Achieving Ecological Sustainability with a Value Engineering Approach in Designing a Chehelbazeh Park. 2nd International Conference on New Research Achievements in Civil Engineering, Architecture and Urban Management, Amirkabir University of Technology, Tehran. 2016.
- Nemati, M., Sohrabi, H., **Arab, D.R** and Javadi, M. The Effects of Hezarmasjed Plan Value Planning on Sustainable Water Resources Supply in Mashhad. National Conference on Value Engineering and Cost Management, Iranian Value Engineering Association. 2014.
- **Arab D.R.**, **Abdollahi, A.**, **Razavi, S.M** and **Abbasi, A.** Value Management System Proposal of Change for Value Engineering Approach. 4th National Conference on Value Engineering, Iran University of Science and Technology. 2008
- **Arab D.R.**, Kabiri, A., Razavi, S.M and Horfer. Value Planning, a Stakeholder-Based Tool for Dispute Resolution. 3rd National Value Engineering Conference, Iranian Value Engineering Association. 2007
- **Arab D.R.**, Sohrabi, R, Naderi, A and Sohrabi, H. Value Management and Planning (Drought Crisis Management) Integrated Management Tool with Win-Win Scenario Case Study: Kerman Province. 3rd National Value Engineering Conference, Iranian Value Engineering Association. 2008.
- **Arab D.R.**, Eskorouchi, A.M and Khalou, A. Design of concrete roller dams (RCC) and its economic comparison with earth dams. 4th International Conference on Civil Engineering, Sharif University of Technology. 1997
- **Arab D.R** and Bagheri, A. Predicting River Flow Using Artificial Neural Networks, Conference on Intelligent Systems and Soft Computing, Sharif University of Technology. 1997
- Zare, M., **Arab, D.R** and Masoudian, M. Lar Dam, Lessons to be Learned. Sharif Journal of Civil Engineering, No. 12; 1993
- Tavakoli, M and Arab. D.R. The duties of a designer and a mechanism to control it. National Seminar on Building Regulation and Control. November 1992.
- Mirzaee, M., **Arab. D.R** and Sarang, A. Environmental Analysis and Investigation of 15Khordad Dam. Journal of Water and Wastewater, No. 38; summer 2001.
- **Arab. D.R.**, Imami, K and Sarang, A. New Technologies in Reducing the Impacts of Flood Damage: Regional Seminar on Reducing the Impacts of Floods and Flood Prevention. United Nations

Development Program (UNDP) and Golestan Governorate. January 2003

- **Arab, D.R.** Basin Water Transfer to the Basin, Opportunities and Challenges. Seminar on inter-basin transfer. Abbaspour School of Engineering, Shahid Beheshti University. February. 2004
- **Arab, D.R** and Mehdikhani, A. The transition from crisis management to risk management: A necessity in drought management strategies. 1st International Conference on Comprehensive Crisis Management, Tehran. March 2005
- Sohrabi, R., Sohrabi, H and **Arab, D.A.** Investigation of Drought Monitoring Indices from Transformation, Nature and Performance Scenarios and Proposal of Index Selection Process Appropriate to Areas, Third Iranian Water Resources Management Conference, Tabriz University. October 2008
- Sohrabi, R., **Arab, D.A.**, Nouri Esfandiary, A. Comprehensive Drought Management System (Concepts, Principles and Interactions of Members and Components). 3rd Iranian Water Resources Management Conference, Tabriz University. October 2008
- **Arab, D.A.**, Sohrabi, R and Sohrabi, H. Investigation of drought monitoring indices from the perspective of evolution, nature and performance and suggesting index selection process in accordance with the conditions of the regions. 3rd Iranian Water Resources Management Conference, Tabriz University. October 2008
- Sohrabi, R., Sohrabi, H and **Arab, D.A.** Analysis, Comparison and Comparison of Results of Calculating Different Drought Indices with Different Time Steps Case Study: Sistan Plain. Seminar on drought in Chaharmahal va Bakhtiari province and ways to combat it. Shahrekord University. November 2008
- **Arab, D.A.**, Sohrabi, R., Naderi, A and Sohrabi, H. Value Management and Planning (Drought Crisis Management) Integrated Management Tool with Win-Win Scenario Case Study: Kerman Province. 3rd Value Engineering Conference, Tehran. December 2008
- Emami, K., Hamidzadeh, I., Mahmoudimoghadam, M., Asghari, J., **Arab, D.R** and Mortazavi, V. Initial reservoir alignment in the design process of river floods. 1st Annual Conference on Water Resources Management of Iran, University of Tehran. November 2004
- **Arab, D.R** and Poshtvan, H. Global Experiences of Inter-Basin Transmission Plans and the Need to Formulate Decision Making Criteria in Iran, Conference on Optimal Utilization of Karoon and Zayandehrood Water Resources – Shahrekord. September 2006
- Dasht, S., Khayat, M and **Arab, D.R.** Integrated Operation Management of Surface and Groundwater Resource Systems in Water Deficit Situations. The Second Iranian Water Resources Management Conference, Isfahan University of Technology. January 2006
- **Arab, D.R** and Mozafari, J. Drought Risk Management Using a Ten-Step Drought Management Program (Case Study of Sistan Basin). The Second Iranian Water Resources Management Conference, Isfahan University of Technology. January 2006
- Rajabi Hashtjin, M and **Arab, D.R.** Virtual Water Experience: A Tool to Ensure Food and Water Security. 2nd Iranian Water Resources Management Conference, Isfahan University of Technology. January 2006
- **Arab, D.R.** Hazrati, Sh and Sepaveh, A. Climatic Forecasting of Dez, Karun, Karkheh, Jarahi and Zohreh Rivers Using Artificial Neural Network. The Second Iranian Water Resources Management Conference, Isfahan University of Technology. January 2006
- **Arab, D.R.** Hazrati, Sh., Alborzi, A and Behnamtalab, E. Statistical Investigation of the Relationship between Rainfall and River Flow in Surgical Basin with Climatic Phenomena "NAO, ENSO" 7th International Conference on River Engineering. February 2006.
- **Arab, D.R.** Rajabi Hashtjin, M and Fatehi, M. Privatization in the water sector. Concepts and solutions. 2nd Iranian Water Resources Management Conference, Isfahan University of Technology. January 2006
- Rajabi Hashtjin, M and **Arab, D.R.** Water Poverty Index as an Effective Tool to Assess the Status of World Water Resources. 2nd Iranian Water Resources Management Conference, Isfahan University of Technology. January 2006
- Razavi, S.M., Sarang, A., **Arab, D.A** and Emami, K. Opportunities and Challenges of Value Engineering in Iran. 2nd National Conference on Value Engineering, 2005
- Sarang, A., **Arab, D.A.** Emami, K and Khajeim Mohadam, A. Value engineering is a cost management tool with creative and innovative changes. 2nd National Conference on Value Engineering, 2005
- Ravanshadnia, M and **Arab, D.R.** Value-based management and knowledge-based development. 5th Congress of Industries and Mines Research and Development Centers. 2005
- Razavi, S.M., Emami, K and **Arab, D.A.** Value Engineering Study of 63/24/30/4 KV Saadat Abad, A Repeatable Experience. 2nd National Conference on Value Engineering. 2005
- **Arab, D.A.**, Emami, K., Izadjo, F and Sarang, A. Value Engineering Studies of Marun Regulatory Dam. 2nd National Conference on Value Engineering, 2005
- **Arab, D.A.**, Emami, K., Broujerdi, M and Mahmoudimoghadam, M. Reconciliation between the Objectives and Criteria of Conflicting Major Projects by Value Engineering. 2nd National Conference on Value Engineering. 2005
- Khani, M., Razavi, M and **Arab, D.R.** Promoting the Effectiveness of Value Engineering Studies Using Risk Management, 2nd National Conference on Value Engineering. 2005

- Kabii, A., Razavi, S.M., Arab, D.R and Horfer, A. Value Planning, a Tool Based on Stakeholder Opinions for Dispute Resolution: 3rd National Conference on Value Engineering, 2008
- Rafie, S., Arab, D.R. Energy requirements, resources and energy consumption for sweetening water. 3rd National Conference on Water and Wastewater. March 2009
- Ghaderi, K., Samani, J.M.V., Mousavi, S.J., slami, H and Arab, D.R Modeling Optimal Reservoir Operation Using Mixed Integer Linear Programming (MILP)
- Arab, D.R. Pouryari, M and Rajabi Hashtjin, M. Flood accident maneuver in the rail sector. The First National Conference on Road and Rail Accidents and Accidents. Zanjan. 2009.
- Arab, D.R., Mohammadi Kangharani, H., Shamekhi, T and Ashtarian, K. Determining and Analyzing Policy Paths between Three Institutional, Forest and Water Variables in the Zagros Vegetative Zone (Case Study of Vazg Watershed in Kohgiluyeh and Boyer Ahmad Province. 2009
- Hamzeh, A., Arab, D.R., Eghdamirad, S and Ranjkesh, Y. Value Engineering and Management An Appropriate Tool for Increasing Value Indexes in Pipelines, 9th International Congress of Civil Engineers. 2012

Books:

- Contributor in developing roadmap for deputy of education and public participation, Transportation and Traffic Organization, Tehran Municipality, 2019
- Strategies for urban improvement- guideline for improvement of performance , Transportation and Traffic Organization, Tehran Municipality, 2019
- Asphalt Core Dams; Iranian National Committee on Large Dams (IRCOLD), 2001
- Urban Flood Risk Management; Professional Flood Workshop, 2010
- Introduction to Value Engineering; Municipals Organization, 2011
- Operational Planning in Puncipalities with a Strategic Approach, Municipals Organization, 2011
- Strategies for urban improvement- guideline for improvement of performance , municipal organization, 2011

7. Membership in Professional Associations

- Secretary of Planning and Integration Office of Urmia Lake Resuscitation Program
- Spokesman for Urmia Lake Resuscitation Program
- Scientific Committee of Hydropower Conference, 2011.
- Scientific Committee of the Second Conference on Problem Detection and Strategies and Techniques, 2011.
- Policy Council and Member of the Scientific Committee of the Fourth Iranian Water Resources Management Conference, 2011.
- Policy Council and Member of the Scientific Committee of the Urban flood, 2010
- Referee of the Second National Conference on Applied Water Resources Research of Iran, 2011.
- Board of Directors of the First National Conference on Drought and Climate Change, 2011.
- Scientific Committee of the Fourth National Conference on Value Engineering, Innovation and Optimal Management of Resources and consumption Water, 2010.
- Specialized committee of Water Resources Management, Office of Engineering and Technical Standards of Water and Wastewater Affairs, 2010.
- Board of Directors of Iranian Association of Water Resources Science and Engineering, 2010.
- Technical and Strategic Crisis Management Committee and passive defense of Water Recourses Management, 2010.
- Scientific Committee of the Second International Conference on Strategic Project Management, 2010.
- Referee of the first National Conference on Urban Flood Management, Ministry of Energy, 2010.
- Secretary and member of Student Scientific Research Organization in Iran (since 1993 to 1999).
- Founder and Editor of Civil Sharif Magazine, Sharif University of Technology, (since 1990 to 2002).
- Head of Water Research Group, Education and Research Institute of Management and Planning, 2004.

8. Delivered Lectures and Co-organized Training Courses

Crisis Management and Water Resources Management Training Courses

- The 3rd National Flood Management and Engineering Conference "Tehran's Surface Water Management Comprehensive Plan " October 23, 2015
- Water Governance Seminar (Regional Water Company Manager of Khorasan Razavi Province, Khorasan Shomali Province, Khorasan Jonoobi Province) December 28, 2015
- Water Governance Seminar for Regional Water Company Manager of Tehran Province, Alborz Province, Semnan Province, Markazi Province, December 28, 2015
- IWRM (Integrated Water Resources Management) Courses, Special to the board members of the Regional Water

Companies (Holding in Niroo Research Institute) October 2015

- Introduction to Water Resources Management Strategies Courses, September 2015
- Introduction to Integrated Water Resources Management Courses, (Holding for Regional Water Companies in Iran), January 2013
- Training, consulting and strategic value engineering project "Optimization of Production of Electricity and Water, Steam", Mapna Management Consulting Company, 2013.
- Agricultural system - Sistan and Baluchestan governorate "Flood and Drought Crisis Management Workshop", October 2012.
- Hormozgan Governorate "Crisis Management Workshop", 2012.
- Hormozgan Governorate "Training Crisis Management Workshop", 2011.
- Golestan Governorate "Training Comprehensive flood and earthquake crisis management- Strengthening Workshop", 2010.
- Azarbijan Sharghi Governorate "Workshop on Drought Comprehensive Management for Provincial Managers", 2010.
- Municipality of Mashhad "Crisis Management Courses", 2009.
- Ministry of Energy "Flood Management Operational Program", January 2008.
- University of Chamran of Ahvaz "Flood and Drought Crisis Management Workshop", 2008.
- Iran Water & Power Resources Development Co "The Seminar of Comprehensive Crisis Management Training on Water Structures strategy", 2007.
- Golestan Construction Engineering Organization "Training Comprehensive flood and earthquake crisis management Workshop", 2007.
- Regional Water Organization of Qom "Drought Crisis Management Workshop", 2007.
- Water and Sewerage Department of Tehran "Drought Crisis Management Workshop", 2007.
- Regional Water Organization of Fars "Drought Crisis Management Workshop", 2007.
- Regional Water Organization of Charmahal and Bakhtiari "Drought Crisis Management Workshop", 2007.
- Khuzestan Water and Power Organization "Integrate water Resources Management Workshop", 2006.
- Regional Water Organization of Sistan and Baloochestan "Integrate water Resources Management Workshop", 2006.

Value engineering Level 1 Workshop

- Department Management of University of Tehran, 2017.
- Jahad Univrsity in Tehran city, 2016
- Iranian Society of Consulting Engineers, 2016.
- University of Tehran, College of Engineering, January 2016.
- Department Management of University of Tehran, 2016.
- University of Tehran, College of Engineering, December 2016.
- University of Tehran, College of Engineering, September 2016.
- Regional Water Organization of Mazandaran, Noshahr city, 2016.
- Ports & Maritime Organization of Tehran, 2016.
- Department Management of University of Tehran, December 2016.
- University of Tehran, College of Engineering, October 2016.
- Agriculture Jihad Organization of Azerbaijan Sharghi, 2016.
- Agriculture Jihad Organization of Azerbaijan Ghabi, 2016.
- Ports & Maritime Organization of Gilan, 2015.
- Department of Architecture of University of Tehran, 2015.
- Mines and Metals Technology Engineering Company May 2015.
- Mines and Metals Technology Engineering Company, June 2015.
- Sadra Company, 2014.
- Center of Architecture of University of Tehran, 2014.
- Jam Petrochemical Company, 2013.
- Housing Investment Company, 2013.
- Qazvin Engineering Organization, 2011.

- Ardebil Governorate, 2010.
- Value engineering of two gas pressure boosters of Dehshir- nadooshan
- Regional Water Organization of Golestan, 2010.
- The 5th Festival Urban and Rural Management Research, 2010.
- University of Tehran, 2010.
- Ports & Maritime Organization of Hormozgan, 2010.
- Azad University branch Shabestar, 2009.
- Ghods Niroo Engineering Company, 2008.
- University of Tehran, 2008.
- Tehran municipality, 2008.
- Ministry of Housing and Urban Development, Urban and Architectural Research Center, 2008.
- Azerbaijan Sharghi Regional Electricity, 2008.
- Azerbaijan Gharbi Regional Electricity, 2008.
- Municipality of Isfahan, 2007.
- District Municipality 16. 2007.
- District Municipality 21. 2007.
- Golestan Engineering Organization, 2007.
- International Conference on Project Management, 2007.
- Frafen Structural Engineering Company, 2007.
- Jihad Nasr Company in Yazd Province, 2007.
- Amaco Company, 2006.
- Civil Department of K. N. Toosi University of Technology, 2006.
- Water and Sewerage Department of Charmahal and Bakhtiari, 2006.
- Mazandaran University, 2006.
- Gilan University, 2006.
- Imam Khomeini International University, 2006.
- National Conference on Urban Planning and Management, 2006.
- Azad Islamic University branch Khooy, 2006.
- Department of Engineering General Staff of the Revolutionary Guards Corps, 2006.
- Regional Water Organization of Sistan and Baloochestan, 2006.
- Water utility company in Ahvaz, 2006.

Value engineering Level 2 Workshop

- Yekom Consulting Engineers Company, February 2016.
- Jihad University in Tehran city, 2016.
- Iranian Society of Consulting Engineers, 2016.
- Yekom Consulting Engineers Company, January 2016.
- Jamab Consulting Engineers Company, 2016.
- University of Tehran, College of Engineering, January 2016.
- Department Management of University of Tehran, September 2016.
- University of Tehran, College of Engineering, December 2016.
- University of Tehran, College of Engineering, September 2016.
- Ports & Maritime Organization of Tehran, 2016.
- Regional Water Organization of Mazandaran, 2006
- Department Management of University of Tehran, October 2016.
- University of Tehran, College of Engineering, October 2016.
- University of Tehran, May 2016
- University of Tehran, April 2016
- Ports & Maritime Organization of Gilan, 2015.
- Department of Architecture of University of Tehran, 2015.
- Department Management of University of Tehran, July 2016.

- Mines and Metals Technology Engineering Company, June 2015.
- University of Tehran, 2013.
- University of Tehran, 2012.
- University of Tehran, 2011.
- Khorasan Razavi Engineering Organization, 2010.
- Ardebil Governorate, 2010.
- University of Tehran, September & October 2009.
- Society of Iranian Valu Engineering, 2009.
- Persian Gulf gas power plant, 2009.
- Regional Water Organization of Kordestan, 2008.
- Ministry of Housing and Urban Development, Urban and Architectural Research Center, 2008.
- Housing. Foundation of Islamic Revolution in Isfahan, 2008.
- Qom City Municipality, 2008.
- Department of Architecture of University of Tehran, 2008.
- Isfahan Regional Electricity Company, 2007.
- Department of Architecture of University of Tehran, 2007.
- Namvaran Consulting Engineers Company, 2007.
- Golestan Engineering Organization, 2007.
- Manco Iran Consulting Engineers Company, 2007.
- Sharif University of Technology- Office of Technology Studies, 2006.
- Civil Department of K. N. Toosi University of Technology, 2006.
- Imam Khomeini International University, 2006.

Value engineering Level 3 Workshop

- Ports & Maritime Organization of Khoozestan- Imam Khomeini Ports, 2015.
- University of Tehran, 2013.
- Ministry of Housing and Urban Development, Urban and Architectural Research Center, 2008.
- Saman Consulting Engineers Company, 2006 & 2007.

Value engineering Level 4 Workshop

- Mines and Metals Technology Engineering Company, 2014.

Workshop on Introduction to Value Engineering for Senior Managers

- Industrial Design Management Company, 2014
- Iran Marine Industries Company, 2013.
- Pars Abadaran Company, 2013.
- Municipality of Tehran District 13, 2007.
- Rajal Petrochemical Company, 2006.
- Bakhtar Petrochemical Company, 2006.

Develop and implement midterm (five-year) programs in municipalities Workshop

- Institute of Urban and Rural Management of Municipalities and Villages of Iran, 2009.
- Institute of Urban and Rural Management of Charmahal and Bakhtiari Office of Urban Affairs and Governance Councils, 2010.
- Urban Strategic Attitude and Planning

Other courses

- Value planning, management and engineering in management and strategic disciplines
- Introduction to the concepts and functions of integrated water resources management
- Modeling water resources with focus on WEAP software
- Familiarity with the concepts and approaches of system dynamics and VENSIM software
- Implementation of Value Engineering for Training of Personnel to Establish Value Engineering Office in East Azarbaijan and Ardabil Regional Water Organization
- Ministry of Energy Strategic Water and Wastewater Management Workshop, 2014.
- Municipal Value Engineering, in Roodhen Pardis, 2014.
- Cost Reduction Methods in Development Plans, Regional Water Organization of Kerman, 2014.

- Cost Reduction Methods in Development Plans, National and international experiences, for Regional Water Company Design and Development Management, 2014.
- Training, consulting and strategic value engineering project “Optimization of Production of Electricity and Water, Steam”, Mapna Management Consulting Company, 2013.
- Iran's Municipalities and village administrators “Specialized Conference of Municipal Utilities Tunnel”
- Iranian Association of Water Resources Science and Engineering “Workshop on Opportunities and Challenges of Groundwater Management in Iran”, 2010.
- University of Zabal- Hamoon International Wetland Research Center “Workshop on The challenges of Sistan Water”, 2008.
- Chamran University of Ahvaz “Eighth International Seminar on River Engineering”, 2009.

10. Languages

Language	Level of Proficiency (Native, Fluent, Good, Fair, Poor)		
	Speaking	Reading	Writing
Persian (Farsi)	Native	Native	Native
English	Fluent	Fluent	Fluent

11. Employment Record:

From : _
 To : Present
 Employment : Rahbord Danesh Pouya Research and Engineering Inst., Tehran, Iran
 Position held : Director

Studies on Reuse of treated wastewater in Minab, Roodan & Jask cities
 Integrated water resources management (IWRM) in Alborz
 Value engineering studies of Rahbakh Naeim vertical parking
 Value engineering studies of Showt and Feshal dam
 Value engineering studies of Persian Garden sky villa project
 Value engineering studies of Khaeiz Tangestan dam
 Developing a Roadmap and Waste Management Strategic Action Plan for the Northern Provinces with a Value Planning Approach
 Monitoring of wetland restoration and dust stabilization projects
 Operational Studies of Capacity Building for Comprehensive Human Environmental Management Plan (Focusing on Waste Handling)
 Roadmap and Operational Plan for Tehran Air Pollution Reduction
 Value engineering studies of Chalus and Sardabroud canal
 Value planning studies of designing, building and organizing oil pipelines and construction of Persian Gulf Port rail shunting yard
 Value planning studies of 600 hectares of Imam Khomeini Port infrastructure plan
 Value planning studies of development plan of Negin island in Boushehr port
 Value engineering studies of Chehl Baze national Park
 Value engineering studies of Garmi Chay Miane (Focus on Focusing on Investigation of Sealing System, Geotechnics of the Site and Slip Potentials and Reservoir Potentials to Increase Dam Safety and Stability)
 Value engineering studies of the project for the construction of marine reference buildings of small islands and ports in the south of the country
 Value engineering studies of restoration plan for water transfer project from Simindasht to Garmsar
 Value studies of Shurijeh dam and optimizing the effects of upstream designs
 Value engineering studies of water course east Eghbal
 Value engineering studies of Palangan water transfer project from Solkan- Vanak to Charmahal & Bakhtiari and Kerman
 Value engineering studies of Construction of Verdavr Highway and Restoration of the Vardaveda River
 Value engineering studies of Palaning water transfer project from Sabzkooh to Choghakhor
 Value engineering studies of Gavi dam
 Value planning studies of Rooddare Kan
 Integration and Studies of the Value Engineering of the Hezar Masjed
 Evaluation studies of water quality and health effects of artificial lake Chittgar
 Value engineering studies of Khodabakhsh Irrigation and Drainage Network
 Value engineering studies of Ghalechay Irrigation and Drainage Network
 Value engineering studies of Gabrik dam

Value engineering studies of Sumbar dam
 Value engineering studies of Power supply of Qom Rail menu in Mapna Management Consulting Company, 2015
 Value engineering studies of Post construction in Sa'adat Abad.
 Value engineering studies of tunnel of Saadatshahr
 Value planning studies of Salinity value of Ajichai basin
 Study of Planning Value Development of Chaharmahal Bakhtiari Province focus on Role of Water
 Value engineering studies of Tabriz city train
 Value planning studies of Project Line Height Determination
 Study of Planning Value of Khuzestan Drought Crisis Management
 Study of Planning Value of Kerman Drought Crisis Management
 Study of Planning Value of flexible drainage value of bridges
 Optimization Studies of Baghan Dam and Network Components to Increase Design Value
 Value engineering studies of Water supply plan to Meshkinshahr
 Value engineering studies of Normab Irrigation and Drainage Network
 Value engineering studies of Dalki Dam and Irrigation and Drainage Network
 Value engineering studies of tunnel of Niayesh
 Value engineering studies of Sadr Class Highway
 Value engineering studies of Melat underground parking
 Value engineering studies of electric post of Gheshm
 Value engineering studies of Zarani dam
 Value engineering studies of Sharafshah dam
 Value engineering studies of Baraftab dam
 Value engineering studies of Golmandareh dam
 Value engineering studies of Garati dam
 Value engineering studies of Ghezdash-Chandbar dam
 Value engineering studies of Project Management Costs of Sardarb Construction and Secondary Class Locations and Passages of the Second Marine Region of Jask
 Value engineering studies of Meimeh dam
 Value engineering studies of body, bond resources, and water resources of Lillan Tea Dam
 Value engineering studies of Gheshlagh dam
 Value engineering studies of Bahoosh Dam and Irrigation and Drainage Network
 Evaluation challenges and opportunities of Urmia lake basin

From : _
 To : _
 Employment : Rahbord Danesh Pouya Research and Engineering Inst., Tehran, Iran
 Position held : Project Management

Industrial and mines water demand forecasting
 Developing Roadmap and Operational Plan for the Construction of 400,000 Residential Units (with Participatory Value Analysis Approach)
 Monitoring of wetland restoration and dust stabilization projects
 Developing the governance organizational structure for water management based on the new climatic conditions in Iran
 Industrial water demand for homogeneous basins forecasting
 Global Experiences and Trends and Development and Consumption of Water in the Industry Sector
Water demands prediction at provincial and national scales for industrial water demand forecasting
 Developing the action plan and roadmap of Urmia lake restoration based on the environmental and sustainable development approach
 Master consulting of operating surface water integrated management plan in Tehran
 Support the plans and projects approved by the Urmia lake restoration national committee
 Monitoring of Urmia lake restoration projects to improve coordination in further studies
 Management of Urmia lake restoration program website (Increase public awareness about the environmental problem)
 Organizational Analysis of Adaptation to Climate Change in the Water Sector
 Industrial and mines water demand forecasting (Case Study: East Area)
 Determination of Critical Ratio Index for Iran's Main Basin
 Senior Project Management Consultant Project Supervision and Project Management Engineering, Mapna Management Consulting Company
 Risk Management and Drought Crisis

Strategic planning, formulating an initial goals and missions framework, organizational design, capacity development, defining institutional requirements and formulating policies of national center for strategic studies in agriculture and water
 Integrated Water Resources and Consumption Management of Kerman
 System of exploitation of surface and ground water in the country
 The Effects of Targeted Subsidies on the Water Sector
 Planning for flood adventure in the railway system
 Solutions for Applying Value Engineering in Urban Development
 Integrate drought Roadmap by organizing separate workshops in different organizations
 Analysis of Drought Experiences in 87 Karun Basins to find out Solution for the Future Water plan of Hormozgan Province
 Integrated Water and Soil Resources Management: Approaches, Strategies, Policies and Tools
 Determining the Roadmap for Drought Reduction Master Plan
 Investigating the Effect of Food Production Pattern on Economic Sustainability and Sustainability of Basic Resources with Emphasis on the Comparative Advantages of National Production

Scientific study of passive defense of dams and projects in Tehran
 Director of Tehran Disaster Mitigation and Management Organization Studies
 Shaking table interior manager of Sharif University of Technology
 Director of Comprehensive Studies on Water Quality of Jajrood River and Latian Dam
 Value engineering studies of Maroon control dam
 Value engineering studies of Maroon regulating dam and drainage system and spill way
 Value engineering studies of Maroon regulating dam water diversion system
 Value engineering and Its effect on Water and Power Plans and localization
 Climatic Forecast Studies of Important Rivers of Khuzestan Province
 Value engineering studies of Ajichay-Vanyar Storage dam spillway
 Value engineering studies of Ghalechay Storage dam spillway

From : –
 To : –
 Employment : Rahbord Danesh Pouya Research and Engineering Inst., Tehran, Iran
 Position held : Expert

Member of the Technical Committee on Environmental Transfer of Water in Environmental Organization
 Expert and Consultant of implementation of roller- compacted-concrete dams
 Expert and executor of computer program for design of concrete dams
 Expert and Consultant of Urmia Lake basin Management
 Member of the Council of Advisors of Tehran Disaster Mitigation and Management Organization
 Member of the Council of Advisors of implementation of value engineering in Ministry of Roads & Urban Development
 Member of the Council of Advisors of implementation of value engineering in Ministry of Roads & Urban Development (Mavara project)
 Member of the Council of Advisors of Policy Council of Farashahr project(implementation plan of value engineering in Tehran municipality)
 Expert and Member of Researchers team of passive defense plan to transfer water to cities as pilot
 Expert and Member of Researchers team of passive defense plan to transfer water to cities as pilot
 Ministry of Energy technical representative and Monitoring of roller- compacted-concrete Jagns dam