



## PERSONAL RESUME

### Personal Information

**Name & Surname :** *Hedayat Fahmi*

**Date and Place of Birth:** *1956 Mahabad-Iran*

**B.S. & M.S. in Mathematic** *From Tabriz University*

**M.S. in Hydrology Engineering** *From the International Hydraulic and Environmental Institute IHE of the Netherlands.*

**Ph.D. in Hydrology Engineering** *from Science & Researches University.*

*Chairman of Integrated Water Resources survey of Ministry of Energy and member of scientific board in Water and Power Industry University of Iran.*

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### Executive Record

- Specialist responsible for Khorasan province Water Resources Survey Bureau of Ministry of Energy (MOE) for 4 years*
- Manager of Technical Support Department in Water Resources Research Organization (WRRO) for 4 years.*
- Assistant director of the department of Co-ordination of studies in Water Resources Research Center (WRRO) for 4 years.*
- Chairman of water resources research Center (WRRO) for 2 Years.*
- Chairman of Water Planning of Planning and Design Bureau(MOE) for 4 years*
- Chairman of Integrated Water Resources survey of Ministry of Energy(MOE) till present*



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<p><b>Lecture Experiences</b></p>	<ul style="list-style-type: none"> <li>❑ <i>Teaching flood control and forecasting -Water and Power Industry Faculty - B.Sc level.</i></li> <li>❑ <i>Teaching Sediment Hydraulic - Water and Power Industry faculty - B.Sc level</i></li> <li>❑ <i>Teaching special issues in hydrology - Water and Power Industry faculty - B.Sc level</i></li> <li>❑ <i>Teaching the hydraulic and physical models- Azad Islamic University - Science and Research faculty - M.S.level</i></li> <li>❑ <i>Teaching Hydrometeorology - The Research center of the meteorological Organization of Iran M.S. level.</i></li> <li>❑ <i>Teaching the computational Hydraulic - Azad Islamic University - Science and Research Faculty - M.S.level</i></li> <li>❑ <i>Teaching the advance static and probability – Azad Islamic University – PhD level</i></li> </ul>
<p><b>International , Regional and National Activities</b></p>	<ul style="list-style-type: none"> <li>❑ <i>Member of Water Resources Engineering and Science Association.</i></li> <li>❑ <i>Regional expert of Asia for the Regional working group of world Meteorological Organization.</i></li> <li>❑ <i>International associate expert for the hydrological forecasting working group of WMO.</i></li> <li>❑ <i>Achieving the first -rank researcher of the Ministry of Energy for the year of 2000.</i></li> </ul>
<p><b>Additional Skill</b></p>	<ul style="list-style-type: none"> <li>❑ <i>Completely expert in programming with ASSEMBLY. FORTRAN, BASIC, PASCAL, C and C + +. And quite fluent in both Kurdish, Turkish, Persian and English language and a little bit Russian.</i></li> </ul>



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<p><b>Professional Training Course</b></p>	<ul style="list-style-type: none"> <li>❑ <i>Surface water</i></li> <li>❑ <i>Sediment log</i></li> <li>❑ <i>Improvement of Management</i></li> <li>❑ <i>Mathematical models in Hydrology</i></li> <li>❑ <i>Karst hydrology</i></li> <li>❑ <i>Hydrology engineering (Netherlands)</i></li> </ul>
<p><b>Writings , Translations and Compilation</b></p>	<ul style="list-style-type: none"> <li>❑ <i>Technical report on Markov mathematical model - Water Resources Survey Bureau.</i></li> <li>❑ <i>Technical report on basin exploration - Water Resources Survey Bureau.</i></li> <li>❑ <i>Report on the optimization of hydro meteorological Networks - Water Resources Research Organization (WRRO).</i></li> <li>❑ <i>Report on the analysis of flood plain - Water Resources Research Organization (WRRO).</i></li> <li>❑ <i>Report on designing flood warning system - Water Resources Research Organization (WRRO).</i></li> <li>❑ <i>Report on general aspect of Water Resources of the country - Water Resources Research Organization (WRRO).</i></li> <li>❑ <i>Report on the Rainfall forecasting and analysis of the country - Water Resources Research Organization (WRRO).</i></li> <li>❑ <i>Drought analysis - Water Resources Research Organization (WRRO).</i></li> <li>❑ <i>Mathematical model of Rainfall - Runoff Water-Resources Research Organization (WRRO).</i></li> <li>❑ <i>Report on the general deterministic and stochastic Hydrological model. (WRRO).</i></li> </ul>



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<p><b>Research Records</b></p>	<ul style="list-style-type: none"> <li>❑ <i>Computation and assessment of the river coarseness coefficient of the country by mathematical optimization - (WRRO).</i></li> <li>❑ <i>Handbook of water resources engineering and management (about 1200 pages on typing and editing phases).</i></li> <li>❑ <i>The project on intelligent Rainfall-Runoff model, authorizing organization: the Researches Department of Water Resources Management organization of Iran.</i></li> <li>❑ <i>A research project on climate change and its impacts on the Water</i></li> <li>❑ <i>National Report on Climate Change, authorized by United Nations (through the organization Environment conservation).</i></li> <li>❑ <i>A Research project on general model of hydrology by using artificial neural nets and mathematical optimization authorized by Research Science Department.</i></li> <li>❑ <i>A research project on precipitation forecasting model by using wavelet, authorized by Water Resources Research center (WRRC)</i></li> <li>❑ <i>A research project on ranking of water resources projects by using Fuzzy and AHP methods</i></li> </ul>
<p><b>Participation in International and national Congresses, Conferences and etc</b></p>	<ul style="list-style-type: none"> <li>❑ <i>Congress on the International meteorology (WMO).</i></li> <li>❑ <i>Scientific seminar on Hydrology (3 ones).</i></li> <li>❑ <i>Conference on the regional climate change.</i></li> <li>❑ <i>Scientific workshop on flood.</i></li> <li>❑ <i>Regional conference on Water management.</i></li> <li>❑ <i>Ist seminar on snow and ice.</i></li> <li>❑ <i>Conference on the regional balance.</i></li> <li>❑ <i>Presenting above 20 articles for regional and national conferences and seminars.</i></li> </ul>

