

CURRICULUM VITAE

1. **Family name** : BAYER
2. **First names** : İsmail Raci
3. **Date of birth** : 22/12/1977
4. **Nationality** : Turkish
5. **Civil status** : Married
6. **Education** :



Institution (Date from-Date to)	Degree(s) or Diploma(s) obtained:
Middle East Technical University (2008-)	Ph.D. (continued) in Architecture
Middle East Technical University (2004-2008)	Ph.D. (incomplete) in Civil Engineering
Middle East Technical University (2001-2004)	M.Sc. in Civil Engineering
Middle East Technical University (1996-2001)	B.Sc. in Civil Engineering

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading	Speaking	Writing
Turkish	Native Language		
English	1	2	1
German	5	5	5

8. **Membership of professional bodies:**

- TMMOB (Turkish Chamber of Civil Engineers)
- ASCE (American Society of Civil Engineers) student membership

9. **Other skills:**

- Programming language: Fortran 77
- Package programs: Microsoft Office tools (Word, Excel, PowerPoint), AutoCAD, SAP.

10. **Present position:** Director

11. **Years within the firm:** since February 2008

12. **Key qualifications:**

- EU funded projects
- Infrastructure

- Urban Transformation
- Determination of Risky Structures and Areas
- Mapping and Property Management
- Vocational Regulation and Monitoring
- Strategic Planning and Management
- Conservation of Materials and Restoration
- Materials of Construction

13. Specific experience in the region:

Country	Date from – Date to
Turkey	2001-present

14. Professional experience:

Date from-Date to	Location	Position	Description
December 2016 –	Turkey	Director	Ministry of Environment and Urbanization Department of EU Investments
August 2016 – December 2016	Turkey	Head of Department	Ministry of Environment and Urbanization General Directorate of Infrastructure and Urban Transformation Services Department of Risky Areas

May 2014 – August 2016	Turkey	Head of Department	Ministry of Environment and Urbanization General Directorate of Infrastructure and Urban Transformation Services Department of Risky Structures
March 2016 – August 2016 December 2014 – January 2015	Turkey	Deputy Head of Department (Simultaneously occupied second position)	Ministry of Environment and Urbanization General Directorate of Infrastructure and Urban Transformation Services Department of Maps and Property Management
December 2012 – May 2014	Turkey	Director	Ministry of Environment and Urbanization Department of EU Investments
June 2012 – December 2012	Turkey	Head of Department	Ministry of Environment and Urbanization General Directorate of Vocational Services Department of Vocational Regulation and Monitoring

July 2011 – June 2012	Turkey	Engineer	Ministry of Environment and Urbanization Board of Strategy Development Department of Strategic Management and Planning
May 2011 – July 2011	Turkey	Engineer	Ministry of Public Works and Settlement Board of Strategy Development Department of Strategic Management and Planning
March 2011 – May 2011	Turkey	Deputy Head of Department	Ministry of Public Works and Settlement Board of Strategy Development Department of Strategic Management and Planning
February 2008 – March 2011	Turkey	Engineer	Ministry of Public Works and Settlement Board of Strategy Development Department of Strategic Management and Planning

September 2001 – February 2008	Turkey	Research Assistant	Middle East Technical University Department of Civil Engineering Materials of Construction Laboratory
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15. Other relevant information:

Publications:

- "An Investigation into the Building-Sanitary Equipment in the Traditional Residential Architecture" , Scientific Research and Essays, Vol.9(15), pp.668-686, August 2014.
- "Investigation of the Hygienic Situation of Kitchens, Bathrooms and Toilets in the Traditional Residential Architecture", Scientific Research and Essays, Vol. 7(42), pp. 3625–3638, October 2012.
- "The Reflections of the Concept of Beauty in the Religious Architecture: The Example of the Ottoman Period between the 13th and 17th Centuries", Philosophical Papers and Reviews, Vol. 3(1), pp. 11-37, June 2012.
- "Mass Concrete Construction Using a New Approach with Preplaced Aggregate", 8th CANMET/ACI International Conference on Recent Advances in Concrete Technology, May 31-June 3, 2006, Montreal, Canada.
- "Use of Preplaced Aggregate Concrete for Mass Concrete Applications", M.Sc. Thesis, Supervised by Associate Professor Dr. Lutfullah Turanlı, Department of Civil Engineering, Middle East Technical University, Ankara, Turkey, June 2004.

Awards received:

- 2004-2005 Academic Year Ph.D. Course Performance Award by Graduate School of Natural and Applied Sciences at Middle East Technical University.
- 1996-1997 Academic Year B.Sc. Honour Student Award by Department of Civil Engineering at Middle East Technical University.

Seminars given:

- "Alternative Methods for Concrete Production", Department of Architecture, Middle East Technical University, March 2012, Ankara, Turkey.
- "Innovation in Turkish Public Sector", Ministry of Public Works and Settlement, Board of Strategy Development, April 2008, Ankara, Turkey.
- "Measurement of Corrosion of Reinforcing Steel in Concrete", Department of Civil Engineering, Middle East Technical University, May 2002, Ankara, Turkey.

Panels attended as invited speaker:

- "Seismicity of Osmaniye and the Future of Urban Transformation" , Osmaniye Korkut Ata University, 7 April 2015, Osmaniye, Turkey.
- "Determination of risky structures and points to be payed attention during determination of damages on buildings" , İMO (Chamber of Civil Engineers), 12 November 2014, Ankara, Turkey.
- "Waste management with all aspects in Turkey" , ATO (Chamber of Commerce), 22 November 2013, Ankara, Turkey.

Reportages:

- The press releases made before and after the experiment carried out on a real masonry building, which was a first in the world, in corporation with Ministry of Environment and Urbanization and Middle East Technical University, 12 and 17 June 2014, published by AA, DHA, İHA and TRT.
- "Notes on Economy" , a live TV program, published by NTV, 21 November 2013.
- "Morning in Turkey" , a live TV program, published by TRT Türk, 25 September 2013.
- Magazine of Environment and Urban, Vol. 16, pp. 40-43, April 2013.

Certificates:

- "Applied Training Seminar on Earthquake Risk Assessment" by Boğaziçi University Kandilli Observatory and Earthquake Research Institute, 13-15 July 2016, Ankara, Turkey.
- Training on "Management of Human Resources and Leadership" under Capacity Building Project in Strategic Management, 10-18 November 2014, Ankara, Turkey.
- Training on "The Management of Claims and Variations and the Resolution of Disputes" by FIDIC, 11-12 February 2014, Ankara, Turkey.
- "Applied Programme on Competency Development in Process Management" by Technopolis Academy, 29 November 2010, Ankara, Turkey.
- "EU Project Fiche Preparation Training" by Ecorys Academy, 15-23 June 2010, Ankara, Turkey.
- 35 hours of training on "Value-added Business Controls, The Right Way of Risk Management, Assessment of Internal Controls, a COSO-based Approach" by The Turkish Institute of Internal Auditing, 18-22 November 2009, Ankara, Turkey.
- A short course on "Durable Concrete Structures - Modern Materials and Construction Practice" by Prof. Povindar K. MEHTA from University of California at Berkeley (USA), 23-27 September 2002, Middle East Technical University, Ankara, Turkey.

- "Preliminary English Test - Pass with Merit", by University of Cambridge, Local Examinations Syndicate, June 1993, Ankara, Turkey.

Committee membership:

- Member of the Ad hoc Committee of Experts on Buildings (CAHB) , representing Turkish Republic for the period 1 April 2015 to 31 March 2018, which consists of independent experts from European Countries to provide opinion on the technical and financial aspects of reconstruction, transformation and maintenance of the buildings of European Commission.

Theses supervised:

- "Comparison of Supply Tendering Processes of EU PRAG Applications with the Applications According to Public Procurement Law (KİK)" , Kürşat OLGUN, EU Expertise Thesis, General Directorate of European Union and Foreign Affairs, Department of EU Financial Programs, Ministry of Science Industry and Technology, Ankara, Turkey, October 2016.

Theses evaluated as jury member:

- "Management of Industrial Accident Risks in Turkey and Responsibility of Security Reporting for the Companies" , Yılmaz Deniz AYDEMİR, Expertise Thesis, Department of Training and Publications, Ministry of Environment and Urbanization, Ankara, Turkey, July 2014.
- "Effect of Alkali-Silica Reaction Expansion on Mechanical Properties of Concrete" , Alkan HAFÇI, M.Sc.Thesis, Department of Civil Engineering, Middle East Technical University, Ankara, Turkey, September 2013.
- "Effect of Combining Different Cement Clinkers and Slag with Controlled Finenesses on Mortar Strength and Heat of Hydration" , Tümay ÇELİKKOL KOÇAK, M.Sc.Thesis, Department of Civil Engineering, Middle East Technical University, Ankara, Turkey, September 2013.

Projects involved:

- "Eracobuild: Strategic Networking of RDI Programmes in Construction and Operation of Buildings" (2009-2012)
- "Development of a National Action Plan on Climate Change in Turkey" by UNDP (2009-2011)
- "Wall production without using mortar" which became 2nd in the competition of "Young Inventors" in 2008
- "Analysis of the Current Situation and Strengthening of Military Structures in Turkey" by Turkish Armed Forces after 17 August 1999 Earthquake

Courses given/assisted:

- Materials Science

- Materials of Construction
- Railway and Metro Tunnels
- Concrete-making Materials
- Properties of Fresh and Hardened Concrete
- Advanced Materials of Construction
- Admixtures for Concrete
- Durability of Building Materials
- Advanced Concrete Technology
- Materials Testing and Measurements

Hobbies:

- Photographic memory education (Professional memory shows were published on several local and national TV channels during university years.)