

# Mohammad Amin Akbari

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## Personal Data:

**Sex:** Male                      **Date of birth:** 28 April 1993      **Place of birth:** Neyshabour, Iran  
**Nationality:** Iranian      **Domicile:** Tehran, Iran  
**Language skill:**      English (Good)      Persian (Mother Tongue)      Arabic (Moderate)

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## Contact Information:

### Mailing Address:

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## Education:

**2016-      :**      M.Sc. Student of Environmental Engineering, K. N. Toosi University of Technology, Department of Civil & Environmental Engineering.

**2011-2016:**      B.Sc. of Civil Engineering, Amirkabir University of Technology (Tehran polytechnic), Department of Civil & Environmental Engineering.

#GPA: 14.15 out of 20

**2004-2011:**      Graduated in mathematics from National Organization for Development of Exceptional Talents (NODET) schools. (2004-2011)

(NODET is the most prestigious Iranian teaching institution at the educational and research levels for junior and senior school. It picks the few exceptionally talented elementary students during exam each year. The entrance exam tested biology, chemistry, mathematics, physics and cognitive thinking.)

2004-2007: Junior high school: NODET, Neyshabour, Iran, #GPA: 19.29 out of 20

2007-2010: Senior high school: NODET, Neyshabour, Iran, #GPA: 18.56 out of 20

2010-2011: College: NODET, Neyshabour, Iran, #GPA: 19.17 out of 20

**1999-2004:**      Elementary school: Imam Hossein, Neyshabour, Iran

#GPA: 20 out of 20

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## Awards & Honors:

- \* Ranked 334<sup>th</sup> among about 257000 students in national university entrance exam for B.Sc. degree in year 2011.
- \* Ranked 920<sup>th</sup> among about 11000 students in national university entrance exam for M.Sc. degree in Civil Engineering in year 2016.
- \* 3<sup>rd</sup> Team Rank in National Concrete Competition, lightweight concrete, in year 2014
- \* 6<sup>th</sup> Team Rank in National Concrete Competition, Green concrete, in year 2014
- \* Ranked 3<sup>rd</sup> in National Chemistry Conference in year 2009. (Nanotechnology and Applications)

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## Teaching Experiences:

**Teaching Assistant**, Road planning and design at Department of Civil & Environmental Engineering, Amirkabir University of Technology.

**Teacher**, AutoCAD software, Amirkabir University of technology.

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## Research Experiences:

**a) Research Assistant**, Amirkabir University of Technology, 2015-2016

**Subject:** Investigation on mechanical properties and shrinkage of geopolymer mortars

**Advisor:** Prof. A.A. Ramezaniapour

**b) Researcher**, Working for **KILOPICO** as a member of **R&D team**

**Subject:** Concrete Technology

1. Non-structural lightweight concrete
2. Structural lightweight concrete
3. Green concrete
4. Self-compacting concrete

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## Publications:

1. M.A. Akbari, et. Al, "Investigation on effects of nano-silica on mechanical properties of a new super-lightweight concrete (Persima)", submitted to proceeding of ConMat'15. (Abstract accepted)

2. محسن جعفری ندوشن، علی اکبر رمضانپور، محمدامین اکبری، "بررسی خواص مکانیکی و جمع شدگی ملات‌های ژئوپلیمری با پایه روباره و پومیس به منظور استفاده به عنوان روکش در سازه های بتنی"، (abstract accepted) دهمین کنگره ملی مهندسی عمران، دانشگاه صنعتی شریف، ۱۳۹۶
3. "مدلسازی رابطه بین پارامترهای مختلف موثر بر خواص مکانیکی خمیرهای ژئوپلیمری قابل استفاده برای تولید بتن سبز با استفاده از شبکه عصبی مصنوعی"، (پروژه درس محاسبات نرم، در حال انجام پروژه)
4. "بررسی تفصیلی روش‌های مدیریت بیومس و پسماند مبتنی بر اقتصادی سبز"، (پروژه جهت آمادگی برای اخذ درس "سمینار")

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### Positions and Activities:

1. 4<sup>th</sup> International Conference on Bridges, Amirkabir University of Technology, **Executive committee**, January 2015
2. 1<sup>st</sup> International Microscopic Image Contest, Amirkabir University of Technology, **Executive committee**, May 2015
3. 3<sup>rd</sup> International E-TEC (Emerging Trends in Energy Conservation) Conference, University of Tehran, **Executive committee**, January 2015
4. 1<sup>st</sup> National Conference in Civil & Environmental Engineering, Amirkabir University of Tehcnology, **Executive committee**, December 2015
5. 1<sup>st</sup> Commemoration of Arek Mekertchian, Amirkabir University of Technology, **Executive secretary**, August 2015
6. 10<sup>th</sup> National Spaghetti Bridge Competition, Amirkabir University of Technology, **Executive committee**, 2014
7. **Secretary** of Astronomical Association, Amirkabir University of Technology, 2013-2014
8. **Secretary** of Chemistry Association, NODET (Shahid Beheshti Neyshabour), 2009-2010
9. **Central council member** in Neyshabour NODET Graduated Society, 2011-2014
10. **Trainee** at CivilAsin, a 1<sup>st</sup> grade Construction Contractor Company for 3 months, 2014

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### Workshops:

1. International Codes and Standards about Bridge Design and Construction, January 2015
2. Bridges Health Monitoring, January 2015

3. Bridges Retrofitting and Seismic Protective Methods, January 2015
  4. Visual Bridge Design and Construction, January 2015
  5. Introduction to Industrial Design of Knowledge-based Products, December 2015
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**Software Skills:**

1. Microsoft Office word, Excel & PowerPoint (Advanced)
  2. ETABS & SAFE (Advanced)
  3. Programming (Fortran, Intermediate)
  4. Corel Video Studio (Video editing, Advanced)
  5. StormCAD, SewerCAD, EPANET (Intermediate)
  6. AutoCAD (Advanced)
  7. AIMSUN (Intermediate)
  8. SAP2000 (Intermediate)
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**Other Skills & Favorites:**

- \* Leadership
- \* Team working
- \* Presentation skills & public speech
- \* Music (Playing Kamāncheh, an Iranian traditional musical instrument)
- \* Video & Movie Making
- \* Program managing