



## Babak Alemi

Associate Professor

College: Faculty of Architecture and Art

Department: Architectural Technologies

### Education

Degree	Graduated in	Major	University
MSc	2000	Architecture	Shahid Beheshti Tehran
Ph.D	2017	Architecture	Shahid Beheshti Tehran

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
University of Kashan		Tenured	Full Time	16

### Work Experience

Research Assistant of Faculty of Architecture and Art (University of Kashan)  
Member of the Architectural Committee of Scientific Qualification (University of Kashan)  
Executive Manager of the Journal of Iranian Architectural Studies since 2011  
Head of Department of Architecture from 2009 to 2011  
Head of Department of Architectural Technology from 2013 to 2014  
Academic Secretary of the first conference of Celebrating the International Architect's Day -  
University of Kashan

### Awards

Top Professor (2010-2011)  
Award of Fajr International Innovation Festival

## Subjects Taught

### Bachelor Courses:

Architectural Design 1  
Architectural design 2  
Architectural Design 3  
Architectural design 5  
Technical design  
Construction 1  
Construction 2  
Vernacular Architecture (Village) 1 and 2  
Workshop of Materials and Construction

### Master Courses:

Architectural Technology Project 1  
Architectural Architecture Project 3  
Technology, nature, Sustainable  
Site Planning

## Conferences

Academic Secretary of the first conference of Celebrating the International Architect's Day -  
University of Kashan  
Member of the Executive Committee of the First National Conference of Iranian  
Architecture - University of Kashan

## Journal Membership

Executive Manager of the Journal of Iranian Architectural Studies since 2011

### Papers in Conferences

- 
1. Babak Alemi , Sedigheh Kamali zarchi. Investigating the role of geometry in the history of building engineering in the West (from the age of darkness to the industrial revolution).-Kashan.۲۰۱۸.
  2. Babak Alemi. Biomass refinery inspiring from VOLVOX COLONIES. International conference on civil engineering, Architecture and urban development of contemporary Iran. Tehran. ۲۰۱۸.
  3. Babak Alemi. Kinetic canopy design for pedestrians in hot and dry climates inspired by plant movements. Kinetic canopy design for pedestrians in hot and dry climates inspired by plant movements, International conference on civil engineering, Architecture and urban development of contemporary Iran. ۲۰۱۸.
  4. Fayzeh Tabatabaee Manesh, Hamidreza Farshchi, Babak Alemi, Amir Hossein Sadeghpour. Designing a Student Pavilion Structural with Bionic Approach (Inspired by Mining Structure). ۵th International Congress on Civil, Architecture and Urban Development. Tehran. ۲۰۱۸.
  5. Mortazavi Nasim, Mehrafarin Asadi, Babak Alemi, Amir Hossein Sadeghpour. Design of warm and dry climates, inspired by moving plants. Contemporary Iranian International Conference on Civil, Architectural and Urban Plannin. Tehran. ۲۰۱۸.
  6. Babak Alemi, Maryam mollaAsadollah. The Role of Geometry in Form Integrity. International

Conference on Architecture and Engineering.Isfahan.۲۰۱۸.

7. Nasim Mortazavi, Babak Alemi, Amir Hossein Sadeghpour.designing construction Pattern of Smart Awnings in a warm and dry climate.۶th National Conference and ۲nd International Conference on Materials and Structures in Civil Engineering.Yazd.۲۰۱۷.
8. Niko Golkar,Fatemeh Qarooni , Babak Alemi.Exploitation of Blue Marine Biomass with Inspiration from Volvox Colony.International Conference on Civil, Architecture and Urban Planning, Contemporary Iran.Tehran.۲۰۱۷.
9. Mahshid Fallah, Babak Alemi, Hamid Reza Farshchi.Using Iranian Geometric Drawings to Create Constructural Structures of Architectural Form –a Case Study: Use of Internal Arrays of Sheikh Lotfollah Isfahan Dome.۶th National Conference and ۲nd International Conference on Materials and Structures Novin in Civil Engineering.Yazd.۲۰۱۷.
10. Fayzeh Tabatabaee Manesh, Babak Alemi.Design of a mobile canopy for a building facade inspired by bee hives.۶th National Conference and ۲nd International Conference on New Materials and Materials in Civil Engineering.Yazd.۲۰۱۷.
11. Amir ۹ Abbas Yavari, Nasim Mortazavi, Amir Hossein Sadeghpour, Babak Alemi.Introduction and Evaluation of the Performance of Crushing Structures (TENSGERTY).۴th National Conference on Materials and Structures in Civil Engineering.Yasouj.۲۰۱۵.
12. Hoda Honardoust, kianoosh LariBaghal, Hamid Reza Farshchi , Babak Alemi.Patterns of the body of the starfish in modern structures.Annual Conference on Civil Engineering, Architecture, Urbanism and Sustainable Environment.Tehran.۲۰۱۵.
13. Babak Alemi, Sedigheh Kamali.The Impact of Waqf on the Art of Architecture and Building in Iran.Waqf National Conference with Emphasis on Iran's Higher Education.Kashan.۲۰۱۲.
14. Babak Alemi.From Sustainability to Immortality in Iranian Home (Case Study of Kashan's House).The First National Conference on Islamic Architecture and Urban Planning.Tabriz.۲۰۱۲.
15. Salva Fallahi, Fatemeh Zarei Hajiabadi, Babak Alemi, Mehdi Akhtarkavan.Study and comparison of sustainability principles in native village architecture Case Study: Chimeh Natanz Village.National Conference on Civil Engineering and Sustainable Development.Estahban.۲۰۱۰.
16. Babak Alemi.Architectural Code of University Libraries.First National Conference on Library Space.Isfahan.۲۰۰۹.
17. Babak Alemi.Rural Settlement Laws and Regulations, The First International Conference on Rural Settlements of Rural Housing in terms of Sustainable Architecture and Native Identity.The First National Conference on Sustainable Architecture.۲۰۰۹.
18. Babak Alemi.Architecture, Environment and Sustainable Development.The First International Conference on Modern Architecture.Tehran.۲۰۰۰.

## Papers in Journals

---

1. Babak Alemi , Naghmeh Assadi Chimeh , Sedigheh Kamali Zarchi,The Study of Jame Mosque of Kashan's Brick Decoration,Kashan Shenasi,2020.
2. Ali Omrani Pour, Hamidreza Jayhani, Babak Alemi. Fatemeh Rajabi,Naraq Bazaar: The Holder of Natural Environment, Historic Routes and the Qajar City Heritage,Soffeh,2019.
3. Babak Alemi , Sediqeh Kamali Zarchi , Naghmeh Assadi Chimeh,The Earliest Architectural Remains of the Islamic Era in Kashan: Form, Structure, and Construction Technique of the Minaret of the Jame' Mosque,Journal of Iranian Architectural Studies,2019.
4. Hamidreza Jayhani , Ali Omranipour , Fatemeh Rajabi , Babak Alemi,The Typology of Historic Houses of the Qajar Period in Narraq,Housing and Rural Environment,2019.
5. Babak Alemi ,Zahra Sabet ghadam, Amir Hossein Sadeghpour, Alireza Pachnari,Optimization of the truss profile columns inspired by the spiral structure in the bone,Iranian Journal of Architecture and Urban Development,2018.
6. Babak Alemi, Shahram Pourdihimi, Saeed Mashayekh Faridani,Structures, Form and

