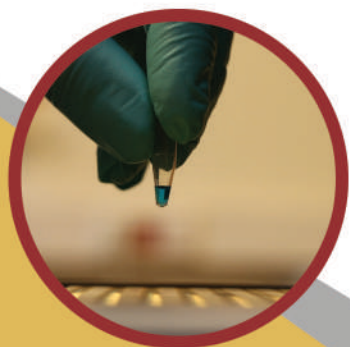


# Graduate Studies

The Department of Biological Sciences offers the following course- and research-oriented graduate degree programmes:

- MSc in Biochemistry and Biophysics

The MSc degree is a two- to three-year programme with 12 courses and a research thesis. Individuals with a Bachelor's degree in all fields of science (including basic and medical sciences) are eligible to apply.



## Department Facts



Since **2008**



**8** Faculty



**189** Alumni



**48** Students

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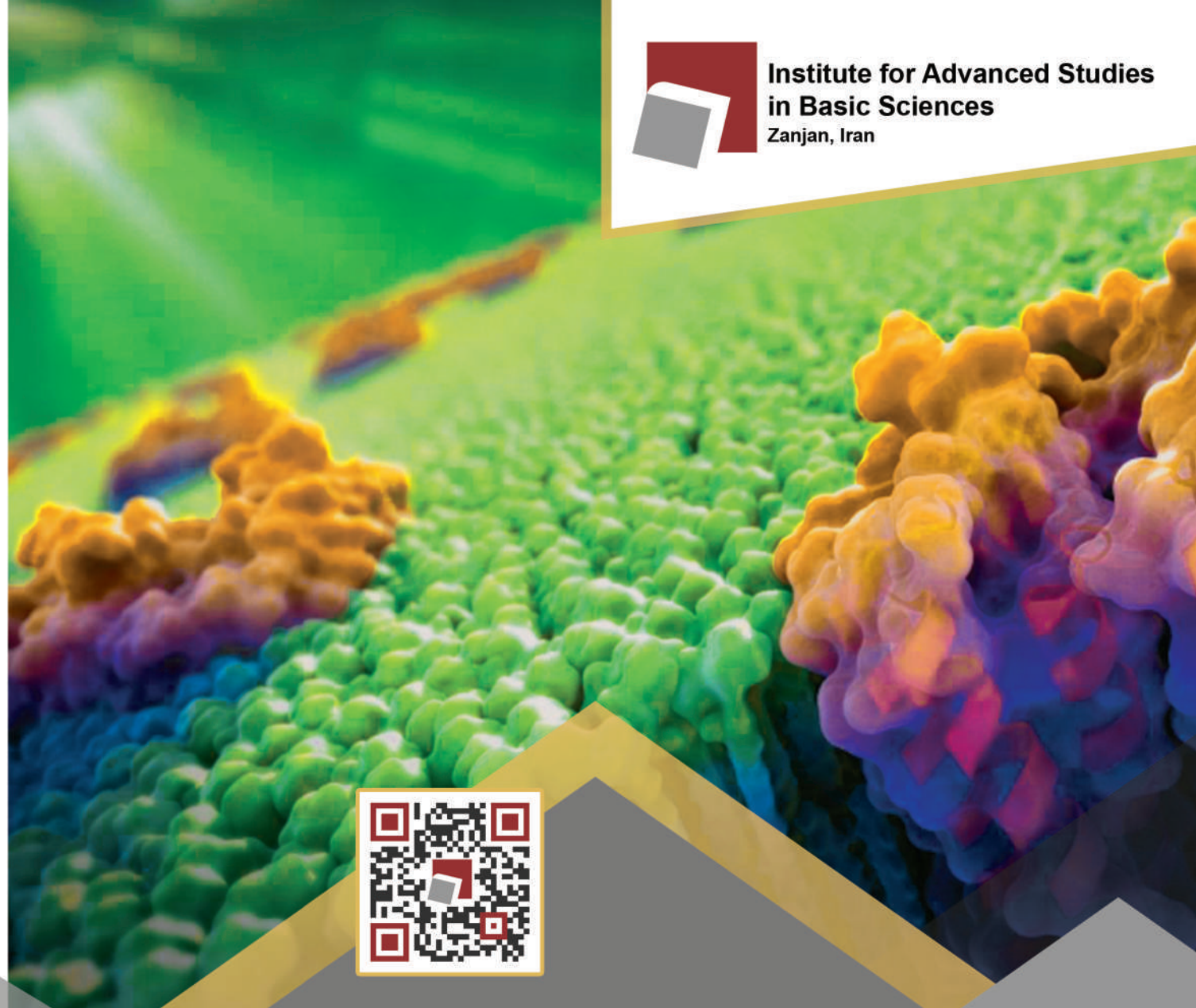
**Institute for Advanced Studies  
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**Department of  
Biological Sciences**

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## Departmental Overview

The Department of Biological Sciences started its activities by admitting Master's students in Biochemistry and Biophysics. We are now introducing another group to provide education and research in the field of Cell and Molecular Biology and would accept Master's students. We have also applied to the Ministry of Science Research and Technology (MSRT) to give us the license to accept PhD students in the above-mentioned fields. Another development that we are currently working on is to establish an interdisciplinary group named Computational Biology.

## Areas of Study

- Ligand-Binding
- Folding and Stability of Proteins and Nucleic acids
- Protein Aggregation
- Amyloid Formation
- Biology of Cancer

**Head of the Department:**  
**Dr. Hamid Hadi Alijanvand**

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## Research Facilities

The department has several instrumental and computational facilities at the service of its research programmes. Our main laboratories include:

- Biochemistry
- Biophysics
- Bacterial Cell Culture
- Eukaryotic Cell Culture
- Bio-informatics
- Protein Aggregation
- Fluorescence Microscopy
- Gel Electrophoresis
- Polymerase Chain Reaction (PCR)
- Spectrophotometer

Further facilities housed in other departments of the Institute including the departments of Physics and Chemistry are also available to our faculty and students.

We also have a range of general facilities to support student activities, including personal office space, computer lab, and meeting rooms.

