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### Education

#### BSc.

University: University of Tabriz  
Major: Applied chemistry  
Thesis:  
Supervisor:



#### Msc.

University: University of Tabriz  
Major: Nanochemistry  
Thesis: Application of L-cysteine capped CdS quantum dots for measurement of pharmaceuticals in water by flow-injection chemiluminescence method  
Supervisors: Dr. AlirezaKhataee

#### PhD

Thesis:  
Supervisors:

#### Research Experience:

Synthesis and characterization of nanostructures, Analytical chemistry, Chemiluminescence, Dye degradation

#### Job Experience:

#### Publications:

[1] A. Khataee, R. Lotfi, A. Hasanzadeh, A novel permanganate–morin–CdS quantum dots flow injection chemiluminescence system for sensitive determination of vancomycin, RSC Advances, 5 (2015) 82645-82653.

- [2] A. Khataee, R. Lotfi, A. Hasanzadeh, M. Iranifam, A simple and sensitive flow injection method based on the catalytic activity of CdS quantum dots in an acidic permanganate chemiluminescence system for determination of formaldehyde in water and wastewater, *Photochemical & Photobiological Sciences*, 15 (2016) 496-505.
- [3] A. Khataee, R. Lotfi, A. Hasanzadeh, M. Iranifam, S.W. Joo, A flow injection chemiluminescence method for determination of nalidixic acid based on KMnO<sub>4</sub>-morin sensitized with CdS quantum dots, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 154 (2016) 243-251.
- [4] A. Khataee, R. Lotfi, A. Hasanzadeh, M. Iranifam, S.W. Joo, Flow-injection chemiluminescence analysis for sensitive determination of atenolol using cadmium sulfide quantum dots, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 157 (2016) 88-95.
- [5] A. Khataee, A. Hasanzadeh, R. Lotfi, S.W. Joo, Enhanced chemiluminescence of carminic acid-permanganate by CdS quantum dots and its application for sensitive quenchometric flow injection assays of cloxacillin, *Talanta*, 152 (2016) 171-178.
- [6] A. Khataee, R. Lotfi, A. Hasanzadeh, M. Iranifam, M. Zarei, S.W. Joo, Comparison of two methods for selegiline determination: A flow-injection chemiluminescence method using cadmium sulfide quantum dots and corona discharge ion mobility spectrometry, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 153 (2016) 273-280.
- [7] A. Khataee, A. Hasanzadeh, R. Lotfi, R. Pourata, S.W. Joo, Determination of dexamethasone by flow-injection chemiluminescence method using capped CdS quantum dots, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 150 (2015) 63-71.