

# Safdar Ali

## Personal details

Date of birth	2 <sup>nd</sup> April 1982
Marital status	Married
Languages	English, Urdu
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## Education

### MS leading PhD

2007-2012	Stockholm University, Sweden Field: Atomic Physics
Thesis title:	<a href="#">Electron-ion recombination data for plasma applications -Results from Electron Beam Ion Trap and Ion Storage Ring</a>
Supervisor:	Prof. Reinhold Schuch

### Master of Science (Applied Physics)

2004-2006	University of Engineering & Technology Lahore Pakistan
Marks	<a href="#">993/1400 (71%)</a>

### Bachelor of Science

2002-2004	Punjab University Lahore Pakistan
Marks	<a href="#">493/800 (61%)</a>

### Pre-Engineering

1999-2002	Govt. Degree College Shakargarh Pakistan
Marks	<a href="#">818/1100 (74%)</a>

### Metric (High School)

1996-1998	Govt. High School Phagwari, Shakargarh Pakistan
Marks	<a href="#">603/850 (71%)</a>

## Computer skills

Linux (Mandrake, Redhat), Windows XP, C++

GrADs (Climate Data Visualization Software) to visualize different data format.

Software and language programmes: Origin, Matlab, Mathematica, LabView

## Employment

### Research fellow

Feb-2007 to Oct-2007

Global Change Impact Studies Cenetr Islambad, Pakistan

### Post-doc

May-2012 to date

Department of Physics Stockholm University Sweden

## List of publications (Total impact factor: 32.7)

1. "Photo-Recombination Studies at R-EBIT with a Labview Control and Data Acquisition System" **S. Ali** et al., *JINST* 6 C01016 (2011). doi: [10.1088/1748-0221/6/01/C01016](https://doi.org/10.1088/1748-0221/6/01/C01016) (impact factor:1.9)
2. "The new Stockholm Electron Beam Ion Trap (S-EBIT)" **R. Schuch**, et al., *JINST* 5, C12018, 2011. doi: [10.1088/1748-0221/5/12/C12018](https://doi.org/10.1088/1748-0221/5/12/C12018) (impact factor:1.9)
3. "Electron ion recombination of highly charged H-and He-like sulfur" **S. Ali** et al. *J. Phys. B: At. Mol. Opt. Phys.* 44, 225203, 2011 doi:[10.1088/0953-4075/44/22/225203](https://doi.org/10.1088/0953-4075/44/22/225203) (impact factor:1.9)
4. Photo-Recombination in Highly Charged Ne, Si, S and Ar Ions", **S. Ali** et al. *J. Phys.: Conf. Ser.* 194, 062021, 2009 doi:[10.1088/1742-6596/194/6/062021](https://doi.org/10.1088/1742-6596/194/6/062021) (impact factor:2.0)
5. "Electron-ion recombination rate coefficients for C II forming C I" **S. Ali** et al. *The Astrophysical Journal* 753, 132, 2012 doi:[10.1088/0004-637X/753/2/132](https://doi.org/10.1088/0004-637X/753/2/132) (impact factor:6.0)
6. "Recombination and Electron Impact Excitation Rate Coefficients for S XV and S XVI" S. Mahmood, **S. Ali** et al. *The Astrophysical Journal* 754, 86, 2012 doi:[10.1088/0004-637X/754/2/86](https://doi.org/10.1088/0004-637X/754/2/86) (impact factor:6.0)
7. "Recombination rate coefficients for B-like Neon" S. Mahmood, **S. Ali** et al. submitted to *The Astrophysical Journal*. (impact factor:6.0)
8. "Experimental rate coefficients of F<sup>5+</sup> recombining into F<sup>4+</sup>" **S. Ali** et al. submitted to *Astronomy & Astrophysics*. (impact factor:4.6)
9. "Experimental recombination rate coefficients of boron like carbon and neon" **S. Ali**, S. Mahmood, I. Orban, Z. Altun and R. Schuch to be submitted in *Physica Scripta* (impact factor:1.2)

10. “Photon rate coefficients of highly charged Sulfur ions” S. Mahmood, S. Ali, I. Orban, S. Tashenov and R. Schuch to be submitted in [Physcia Scripta \(impact factor:1.2\)](#)

## Conference Abstracts/Posters/Talks

1. “Electron-Ion Collision Studies by Time of Flight at the Stockholm Electron Beam Ion Trap” I. Orban, S. Mahmood, A. Safdar, S. Bohm and R. Schuch, [XXVI International Conference on Photonic, Electronic and Atomic Collisions, 22 - 28 July 2009 Kalamazoo, Michigan \(USA\)](#).
2. “Electron Ion Recombination Processes with Highly Charged Sulfur Ions”, S. Ali, S. Mahmood, I. Orban, S. Tashenove and R. Schuch, [10th European Conference on Atoms Molecules and Photons, 4 –9 July 2010, Salamanca \(Spain\)](#).
3. “Photo-Recombination in Highly Charged Ne, Si, S and Ar Ions”, S. Ali , S. Mahmood, I. Orban, S. Tashenove and R. Schuch, [XXVI International Conference on Photonic, Electronic and Atomic Collisions, 22 - 28 July 2009 Kalamazoo, Michigan \(USA\)](#).
4. “Atomic Data from TOF Spectra of Ions Extracted from an EBIT” I. Orban, S. Tashenov, S. Ali, S. Mahmood, and R. Schuch, [10th European Conference on Atoms Molecules and Photons, 4 –9 July 2010, Salamanca \(Spain\)](#).
5. “Dielectronic Recombination of H-like Sulfur Measured with Ions Extracted from an EBIT”, S. Mahmood, S. Ali, S. Tashenove, I. Orban, and R. Schuch, [15th International Conference on the Physics of Highly Charged Ions 30th Aug.- 3rd Sep. 2010, Shanghai \(China\)](#).
6. “Laser spectroscopy of Be-like Ar at the Stockholm EBIT” S. Mahmood, S. Ali, I. Orban, S. Tashenov and R. Schuch, [XXVII International Conference on Photonic, Electronic and Atomic Collisions, 27 July – 2 August 2011, Belfast, Northern Ireland \(UK\)](#).
7. “Electron-Ion Collision Studies with Highly Charged Sulfur Ions” S. Ali, S. Mahmood, I. Orban, S. Tashenove, Y. M. Li, Z. Wu and R. Schuch, [XXVII International Conference on Photonic, Electronic and Atomic Collisions, 27 July - 2 August 2011, Belfast, Northern Ireland \(UK\)](#).
8. “Photon rate coefficients of highly charged Sulfur ions” S. Mahmood, S. Ali, I. Orban, S. Tashenov and R. Schuch [16th International Conference on the Physics of Highly Charged Ions, 2-7 Sep. 2012, Heidelberg, Germany](#).
9. “Experimental recombination rate coffecients of boron like carbon and neon” S. Ali, S. Mahmood, I. Orban, Z. Altun and R. Schuch, [16th International Conference on the Physics of Highly Charged Ions, 2-7 Sep. 2012, Heidelberg, Germany](#).

## References

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