

## ACADEMIC PROFILE OF FACULTY MEMBER

1. Name: **Deepak Kumar Arya**

2. Designation: **Assistant Professor**

3. Qualification: **Ph.D.**



4. Area of Specialization/Research Field: **Microbiology/Infection Biology**

5. Awards/Recognition:

- i). Selected for 'Lectureship and Junior Research Fellowship' under 'National Eligibility Test (NET)' conducted by CSIR-UGC, India.
- ii). Awarded with 'Senior Research Fellowship' by UGC, India (2007).
- iii). Selected for 'National Overseas Scholarship for Ph.D. in Biotechnology' (2008).
- iv). Got 'Research and Travel Grant' under ICMR-BMBF (Indo-German Project) (2010).

### 6. Publications:

A). Research Articles (Published and Accepted)

- i). **Arya, D.K.**, Sharma, A., Mehta, G., Dua, M. and A.K. Johri. 2013. Environmental regulation of virulence potential and host response: A study with prevalent Group A Streptococci in North India. *Journal of Infection in Developing Countries* (Accepted).
- ii). Sharma, A., **Arya, D.K.**, Sagar, V., Bergmann, R., Chhatwal, G.S. and A. K. Johri. 2013. Identification of potential universal vaccine candidates against Group A Streptococcus by using high throughput in-silico and proteomics approach. *Journal of Proteome Research*, **12**: 336–346.
- iii). Sharma, P.K., Lata, H., **Arya, D.K.**, Dua, M., Ali, A., and A.K. Johri. 2013. Role of pilus proteins in adherence and invasion of *Streptococcus agalactiae* to the

lung and cervical epithelial cells. *The Journal of Biological Chemistry*. **288**: 4023–4034.

- iv). Sharma, A., **Arya, D.K.**, Chhatwal, G.S. and A. K. Johri. 2012. Nanotechnology for targeted drug delivery to combat antibiotic resistance. *Expert Opinion on Drug Delivery*. 9: 1325-1332.
- v).Gupta, M., **Arya, D.K.**, Singh, S., Johri, A.K., Mukhtar, H.M. and S. Ahmad. 2010. Anti-bacterial Activity of Aqueous and Methanolic Leaves Extract of *Tylophora indica* (brum f.) Merrill and its Total Microbial Load. *Inventi Rapid: Ethnopharmacology*. **1**: e1-3.

B). Poster Presentations (National and International)

- i). **Arya D.K.**, Sharma A. and A.K. Johri. 2012. Prevalence of *emm* types and its correlation with the invasive behaviour of group A streptococci recovered in Northern India (Poster presented at Symposium ‘Microbes in Health and Agriculture’ 12-13 March, 2012, J.N.U. New Delhi).
- ii). Sharma A., **Arya, D.K.**, Agarwal, L., Dua, M. and A.K. Johri. 2007. Molecular Typing and Invasiveness of Group A Streptococcus (GAS) of Indian origin. (Poster presented at “Indo-Australian conference for Biotechnology” 7-9 May, 2007, Brisbane, Australia).
- iii). Sharma A., **Arya, D.K.**, Agarwal, L. and A.K. Johri. 2007. Prediction of eligible vaccine candidates of Group A Streptococcus (GAS) by using bioinformatics approach. (Poster presented at “Indo-Australian conference for Biotechnology” 7-9 May, 2007, Brisbane, Australia).

7. Academic/Administrative positions held:

- i). Worked as ‘Assistant Professor’ (Ad-hoc) in Department of Microbiology, Delhi University (2012-2013).
- ii). Continuing as ‘Assistant Professor’ in Department of Zoology, D.S.B. Campus, K.U., Nainital, since May 02, 2013.

**Deepak Kumar Arya, Ph.D.**