

Dr. A. Shariff

**Professor: Department of Anatomy,
Chairman: Telemedicine Facility,
Professor In-charge of Computer Facility,
Founder: Clinical Ecotoxicology (Diagnostic & Research) Facility
All India Institute of Medical Sciences, New Delhi**

Date of birth: 08 August 1960 **Nationality:** Indian

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Present Position: Professor, Department of Anatomy, AIIMS, New Delhi.

Education: M.B.,B.S., 1986 from JIPMER, Pondicherry, India.
M. S., (Anatomy): 1989 from JIPMER, Pondicherry, India.

Teaching & Professional Experience:

<i>Designation</i>	<i>Institution</i>	<i>From</i>	<i>To</i>
Junior Demonstrator	JIPMER, Pondicherry, India.	Apr 1986	Mar 1989
Senior Demonstrator	JIPMER, Pondicherry, India.	Apr 1989	Jul 1990
	AIIMS, New Delhi, India	Aug 1990	Aug 1993
Assistant Professor	AIIMS, New Delhi, India	Sep 1993	Jun 1997
Associate Professor	AIIMS, New Delhi, India	Jul 1997	Aug 1998
	BPKIHS, Dharan, Nepal	Sep 1998	Mar 2001
	AIIMS, New Delhi, India	Apr 2001	Jun 2004
Additional Professor	AIIMS, New Delhi, India	Jul 2004	Jul 2008
Professor		Aug 2008	Till date

Research Experience:

1. Handles eight extramural and Intramural research projects
2. Established Clinical Ecotoxicology (Diagnostic and Research) Facility at AIIMS, New Delhi.
3. Assembled a state of the art "Image Acquisition, Processing and Analysis system in the Department with available hardware and Free software based on NIH Image.
4. Established a Digital Image Analysis Laboratory in the Department of Anatomy and providing assistance to the Faculty Members, Researchers and Postgraduate students in their research, presentations and publications.

5. Established Digital Histology Facility, Department of Anatomy, AIIMS, New Delhi
6. Established an e-Learning Laboratory and encouraging the development of anatomical e-learning resource materials in the department of Anatomy at AIIMS.
7. Areas of current interest in research:
Ecotoxicology & Environmental Health,
Fluoride toxicity and health
 - Fluoride associated enteric nervous system developmental defects
 - Development and Plasticity of Enteric Nervous System
 - E-learning & Course Management Systems (CMS) in medical education.
 - Collaborative Development of integrated medical curricula

Research projects

handled:08

Completed projects- 04

Running projects: 04 (from ICMR, Project cost 4,900,000.00 and DST-25,00,000.00)

Recent Publications:

1. Javed Ahsan Quadri, Saba Sarwar, Pinky, Parmita Kar, Seema Singh, Saumya Ranjan Mallick, Sudheer Arava, Tapash Chand Nag, Tara Sankar Roy, **A. Shariff**. Fluoride induced tissue hypercalcemia, IL-17 mediated inflammation and apoptosis lead to cardiomyopathy: Ultrastructural and biochemical findings. *Toxicology*.2018; 406–407:44–57. **Impact Factor-3.62**
2. Javed Ahsan Quadri, Saba Sarwar, Aditi Sinha, Amit Kumar Dinda, Arvind Bagga, Tara Sankar Roy, Taposh Kumar Das, **A Shariff**. Fluoride-associated mitochondriopathy in human renal Cells: an ultrastructural analysis. *Fluoride*.2018; 51(1):44–57. **[Impact Factor-1.34]**
3. JA Quadri, S Sarwar, A Sinha, M Kalaivani, AK Dinda, A Bagga, TS Roy, TK Das, **A Shariff**. Fluoride-associated ultrastructural changes and apoptosis in human renal tubule: a pilot study. *Human and Experimental Toxicology*. 2018; (in press) DOI: 10.1177/0960327118755257. **[Impact Factor-2]**
4. Quadri JA, Alam MM, Sarwar S, Ghanai A, **Shariff A** and Das TK (2016) Multiple Myeloma- Like Spinal MRI Findings in Skeletal Fluorosis: An Unusual Presentation of Fluoride Toxicity in Human. *Front. Oncol*. 6:245. doi: 10.3389/fonc.2016.00245. **[First and Corresponding author]** **Impact Factor-4.41**
5. Javed Ahsan Quadri, **A Shariff**. A comparative study of skeletal fluorosis among adults in two study areas of Bangarpet Taluk, Kolar. *Indian J Public Health* 2017; 61:60.
6. Firaol Bekele, Melese Sinaga, Javed Ahsan Quadri, Abhay Kumar, **A Shariff**, Tabarak Malik. Factors associated with outcomes of severe pneumonia in children aged 2 months to 59 months at jimma university specialized hospital, southwest Ethiopia. *Curr Pediatr Res* 2017; 21 (3): 447-454.
7. Quadri JA, Alam MM, Sarwar S, Singh S, **Shariff A**, Roy TS, Das TK, (2016) Inorganic Contaminants of Drinking Water: Impact on Pregnancy Outcome and Related Congenital Defects. *International Journal of Med. and Clin. Res*;7 (2) 341-349.

8. Quadri JA, Alam MM, Sarwar S, Singh S, **Shariff A**, Das TK. (2016). Fluoride induced nephrotoxicity: apoptosis, ultrastructural changes and renal tubular injury in experimental animals. *International Journal of ayurveda and Pharma Research*; 4 (8) 91-95.
9. Singh S, **Shariff A**, Roy T, Das T, Rani N. Development of myenteric plexus in human fetuses: a quantitative study. *Anat Cell Biol*. 2015 Jun;48(2):124-9. doi: 10.5115/acb.2015.48.2.124. Epub 2015 Jun 26. PMID: 26140223
10. Baba AA, Srinivas M, **Shariff A**, Nazir T. Role of short chain fatty acids in mesenteric ischemia reperfusion injury in rats. *European Journal of Pediatric Surgery*. Mar;20(2):98-101, 2010
11. G Moorthy, Srinivas M, A K Dinda, **A Shariff**, T K Das, D K Gupta. Megacystis- Microcolon – Intestinal Hypoperistalsis syndrome: A case report. *Journal of Indian Association of Pediatric Surgeons*, Vol 17, No. 3, October 2008, p25.
12. Srinivas M, A Baba, **A Shariff**, D K Gupta. Role of short chain fatty acids in experimental ischemia reperfusion injury of gut in rats. *Journal of Indian Association of Pediatric Surgeons*, Vol 17, No. 3, October 2008, p 6
13. Srinivas M, S N Das, **A Shariff**, S Agarwala, D K Gupta: Fixation of rat testis by various sutures and glue: Germ cell analysis by DNA flowcytometry. *Journal of Indian Association of Pediatric Surgeons*, Vol 17, No. 3, October 2008, p 6 [abstract].
14. M Pathak, Srinivas M, **Shariff A**, Das TK : Histological changes occurring after colonic diversion in rat model : Study to test the beneficial effects of various agents. *Journal of Indian Association of Pediatric Surgeons*, 12: 3: 174, 2007 [abstract].
15. A. Chaudhury, **A. Shariff**, M. Srinivas, U. Sabherwal (2004)
Changes in nitrergic innervation of defunctionalized rat colon after diversion colostomy *Neurogastroenterology & Motility* 16 (4), 475–487.
16. Srinivas, M. Degaonkar, M Chandrasekharam, V.V, Gupta DK, Hemal AK, **Shariff A**, Jagannathan NR, “Potential of MRI and 31P MRS in the evaluation of experimental testicular trauma”, *Urology* 2002 Jun;59(6)969-72.
17. Renu Chauhan , Tara Sankar Roy , Arun Chaudhury , **Ahamadulla Shariff** Variant human pancreas: aberrant uncinate process or an extended mesenteric process. *Pancreas*. 2003 Oct; 27:267-9

18. Srijit Das, **A. Shariff**, A.K. Sarkar and T.S. Roy, "Congenital Isolated Bicuspid Pulmonary Valve: A Case Report, International Medical Journal, Sept 2001, Vol. 8, No.3, pp223-226.
19. Srijit Das & **A. Shariff**, Higher level of Bifurcation of the Common Carotid artery and its Clinical Importance, International Medical Journal vol 10, No.1, March 2003, pp47-49.
20. A. Chaudhury, **A. Shariff**, M. Srinivas & U. Sabherwal, Effect of diversion colostomy on myenteric nitrergic neurons in the colon of rat. Neurogastroenterol Motil (2003) 15, p202 (abstr)
21. **A. Shariff**, A. Chaudury, Use of cresyl violet in 3D reconstruction of myenteric ganglia of rat colon by confocal laser scanning microscopy. Neurogastroenterol Motil (2003) 15, p208 (abstr).
22. **A. Shariff** & T. S. Roy, "Multimedia in anatomy" Journal of the Anatomical Society of India, vol.46, June 1997, p55. (Abstr)
23. **A. Shariff**, "An Interactive atlas of embryology for Medical Students" eds. R. K. Arora, Gurminder Singh and Yashwant Deva: in Multimedia '98: shaping the Future, Proceedings of the International Conference on Multimedia, 23-25th January 1998 Organized by IETE, New delhi. Published by Tata McGraw-Hill Publishing Company Ltd, New Delhi, 1998. pp170-173.
24. **A. shariff**, "Developing Multimedia Learning Resource Materials for Medical students" Journal of the Anatomical Society of India, June 2001, Vol.50, No.1 (Abstr)
25. **A. Shariff**, S. Wadhwa, V. Bijlani & G. Gopinath, "Morphometry and 3D-reconstruction of brainstem auditory nuclei of chick using the computerized image analysis system (IBAS 2000)", Journal of the anatomical society of India, vol.42, June 1993, p56-57.

Abstract published/Papers presented at International conferences:

26. Dibyarup Datta Pramanic, M Srinivas, Taposh K. Das, Meher Sharma, V Bhatnagar, **A. Shariff**, Soumya Mallic, Javed A Quadri. (2014), Change in different components of colonic wall and ICC in distal loop of colon after diversion colostomy in rat. EUPSA-2014:SC-PP-0112.
27. Javed A. Quadri, Saba Sarwar, Abhay Kumar, Seema Singh, Moshahid A. Rizvi, T S Roy, and **A Shariff**.(2016). Protective effects of N-acetylcysteine against fluoride-induced ultrastructural changes in hepatic cell line hepg-2. EMSI-2016;CP-85
28. Javed A Quadri, **A Shariff**. (2016)n Fluoride associated molecular injury and mitochondriopathy in epithelial cells of human renal tubule: an ultrastructural study. CEM3DIP 2016
29. S Sarwar, J A Quadri, S Singh, T C Nag, T S Roy, **A Shariff**. Fluoride Exposure and its Impact on Development of Nitrergic Neurons in Myenteric Plexus. Conference: Conference: International Congress of Cell Biology. 2018 /P288 – 20181683 -S, At CCMB Hyderabad, India
30. B Subhash, S Singh, S Sarwar, J A Quadri, A Ahmed, Neerja, T C Nag, **A Shariff**. Ultrastructural Features of Enteric Ganglia in The Human Fetal Colon. Conference: NATCON-65-2017, India.

31. A Banerjee, S Singh, S Sarwar, J A Quadri, **A Shariff**. The development and morphological study of innervations in human fetal pancreas. *J Gastrointest Dig Syst* 2017, 7:4(Suppl), DOI: 10.4172/2161-069X-C1-053.
32. B Subhash, S Saba, JA Quadri, K Harisha, S Singh, T C Nag, **A Shariff**. Ultrastructural features of enteric ganglia in human foetuses. *Journal of the Anatomical Society of India*.2018; 67(Suppl):S23. <https://doi.org/10.1016/j.jasi.2018.06.226>.
33. A K Kairo, JA Quadri, A Singh, S Sarwar, R Kumar, A Thakkar, **A Shariff**,^S C Sharma: Ultrastructural localization of bacterial pockets in disintegration tympanic membrane of middle ear cholesteatoma. EMSI-2018, 34LS/M PO-34.
34. S Sarwar, J A Quadri, S Singh, P Das, T C Nag, T S Roy, **A Shariff**. Fluoride induced ultra-structural changes in the enteric neurons. EMSI-2018, 26LS/M PO-26.
35. S Sarwar, JA Quadri, V. Dubey S Singh, P Das, TC Nag, TS Roy, **A Shariff**. In-utero fluoride exposure induces developmental defects in gut smooth muscle cells. ICOHAP-EM.2018:35.
36. MK Dhingra, JA Quadri, Preeti, **A Shariff**, A Mahen. A pilot study to estimate the prevalence of dental fluorosis in Israna District, Panipat, Haryana. ICOHAP-EM.2018:35.
37. S Sarwar, JA Quadri, S Singh, P Das, TC Nag, TS Roy, **A Shariff**. Fluoride induced glial cell changes in the Myenteric plexus of neonatal rats. ISFR-2018. Guiying, China.
38. JA Quadri, S Sarwar, Pinky, S Singh, TC Nag, **A Shariff**. Fluoride induces increase in expression of calcium binding protein in cardiac muscle. ICOHAP-EM.2018:64.
39. S Sarwar, JA Quadri, S Singh, P Das, TC Nag, TS Roy, **A Shariff**. Fluoride induces oxidative stress, neuro-inflammation and apoptosis in enteric nervous system in developing rats.IAN-2018;P161:282.
40. A Kairo, A Singh, S Sarwar, JA Quadri, R Kumar, **A Shariff**, SC Sharma. Ultrastructural localization of bacterial pockets in disintegrating tympanic membrane of middle ear Cholesteatoma.EMSI;2018:LS/MPO-34.
41. **A. Shariff** and Arun Chaudhury, Use of Cresyl Violet in 3D Reconstruction of Myenteric Ganglia of Rat Colon by Confocal Laser Scanning Microscopy.
International Conference on Enteric Nervous System Conference) ENS2003, 9th to 13th July, 2003 in University of Calgary, Banff Convention Centre, Alberta, Canada.
42. Arun Chaudhury, **A. Shariff**, M. Srinivas and U. Sabherwal, Effect of diversion colostomy on nitrergic myenteric neurons in the colon of rat. International Conference on Enteric Nervous System Conference) ENS2003, 9th to 13th July, 2003 in University of Calgary, Banff Convention Centre, Alberta, Canada.
43. Arun Chaudhury, Gaurav Dahiya, Srinivas M and **A. Shariff**, Neonatal Phototherapy Decreases Haploid Cell Population of Testis in Rats.
International Conference of the European Paediatric Surgery Association (EUPSA) from 21st to 23rd May, 2003 at Tours, France.
44. Fluoride induces mitochondriopathy and apoptosis in tubular cells, leads to renal tubular injury. Quadri JA, Bagga A, Dinda AK, **Shariff A**, Roy T S. Global Health Summit 2016; AAPI & USA