

## Faculty Profile

Name : Dr. Ajay Kumar  
Designation : Associate Professor  
Qualifications : M.Sc.(IITR), M.Tech.(NITK),  
M.Tech.(IASE Rajasthan), Ph.D.(GGSIPUD)  
Phone : 9868092652  
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Area of Interest/Specialization: Astrophysics and Ultrasonics  
Experience : 24 Years



### Key Publications

1. *Ajay Kumar, Sanjay Jain, K.B. Bhatnagar (2005), " Periodic orbits around the collinear libration points in the restricted three body problem when both the primaries are triaxial rigid bodies", Indian J. Phy. 79(6), 583. ISSN:0973-1458*
2. *Ajay Kumar, Sanjay Jain, K.B. Bhatnagar (2009), " Periodic orbits around the collinear libration points in the restricted three body problem when smaller primary is a triaxial rigid body and bigger primary a source of radiation pressure", Indian J. Phy. 83(2), 171-184. ISSN:0973-1458*
3. *Ajay Kumar, Sanjay Jain, K.B. Bhatnagar, " Periodic orbits around the collinear libration points in the restricted three body problem when smaller primary is a triaxial rigid body", Bull. Astr. Soc. India (2006)34, 211-223. ISSN:0304-9523*

### Papers presented in Conferences

1. *Ajay Kumar, Sanjay Jain, K. B. Bhatnagar, " To study the periodic orbits around the collinear libration points in the restricted problem by taking different semi-axes of the smaller primary". National conference on mathematical techniques emerging paradigms for electronics and IT industries, New Delhi, March 2006, MATEIT, 275.*
2. *Ajay Kumar, A. Swaroop, R.K. Singh, " A New Quorum System for Fault-Tolerant Channel Allocation in Cellular Wireless Networks" International conference EEC-2012, UTU Dehradun, July 2012.*
3. *Ajay Kumar, A. Swaroop, R.K. Singh, " Channel Allocation Problem as Modified Group Mutual Problem" International Conference EEC-2013,Dehradun,June 22-23,2013*

Book Chapter/Books published:

**E/M Engineering**

**IGNOU Delhi**

**Code-BET-024**

**2006**

Ph.D Supervised: Differential Pressure System, Ms. Chanchal, G.D. Goenka University  
Gurugram (Pursuing)

Memberships of Professional bodies:

**Life Member of Metrology Society of India**

**L M No.1054/April 2016.**

Other Contributions:

0. Attended a Training Programme of two weeks for Theory, Application and use of Quality Control and R&D Equipments in Italy and Germany from 11-21 Feb 1994.
1. External member in Interview Board ,DRDO, Delhi, 19 Oct 2011.
2. Member of National Advisory committee, National Conference MAPEKI-2014, NPL Delhi, 8-9 Dec 2014.