

Dr. Anil Kumar Mishra*(M.Sc. (Physics), Ph.D.*

Associate Professor, N A S College, Meerut

- a. **Ph.D.** in *Physics* from Kanpur University, Kanpur in the year 1992.
Thesis Topic: "Spectroscopic studies in some doped crystals"
- b. Master of Science (**M.Sc.**) in *Physics* with specialization in Electronics from Kanpur University, Kanpur in the year 1987 (Ist Div.).
- c. Bachelor of Science (**B.Sc.**) with *Physics, Maths & Statistics* from Kanpur University, Kanpur in the year 1985 (Ist Div.).
- d. Intermediate with Hindi, English, Maths, Physics & Chemistry from UP Intermediate Board, Allahabad (Ist Div.).
- e. High School with Hindi, English, Maths, Science & Tech. Drawing from UP Intermediate Board, Allahabad (Ist Div.).

Academic Achievements:

Teaching Experience : Involve in teaching of undergraduate and post graduate classes since last **twenty six years**.

Research Interests : Working in the field of '**Spectroscopy, Electrical conductivity, Conducting Polyaniline Thin Films & Non conventional Energy Sources**' from the last twenty six years.

Research Activities : Seventeen students are awarded Ph.D. degree in the various fields of research

List of PhD awarded candidates

Name of candidate	Topic	RDC approval	External examiner approval letter	Final viva date
Mr. Lalit Kumar	Studies of Doped and Undoped mixed $KCl_xBr_{(1-x)}$	Res:2/A/7006 /11.01.2008 /	svc/Res:1259-1711/03.01.2013/	16.06.2013
Mrs. Sheetal Sharma	Preparation and Characterization of semi conducting polymeric Thin Film Device	Res:2/A/5222/05.04.2005/ 5/	svc/Res:9458-948/21.03.2013/	22.10.2013
Mr. Pradeep Chandra Pant	Energetics of solar energy systems	Res:2/99566/1192/02.03.2000/	svc/Res:4286-848/17.02.2005/	

Smt.Anjoo	Spectroscopic studies in some Vanadyl doped hydrated and other systems	Res:2/A/6653/21.09.2007/	svc/Res:9061-1651/27.11.2012/	09.02.2013
Mr.Yuvraj	Semi-conducting polymeric devices for electronic applications	Res:2/A/4113/05.04.2005/	svc/Res:7451-4994/10.11.2009/	05.12.2009
Mr.Rajendra Kumar	Electrical optical and structural characterization of aniline thin films prepared by plasma polymerization	Res:2/A/4526/03.05.2006/	svc/Res:6718-2012/31.03.2009/	30.05.2009
Mr.H.K.Gupta	Electrical conductivity and spectroscopic studies in heavily doped alkali halide crystals	Res:2/1195/02.03.2000/	svc/Res:4875-1744/17.01.2007/	17.02.2007
Mr. amit Tomar	Synthesis and characterization of lithium substituted alkali titanates layered ceramics	Res:2/A/1000648/8327/03.11.2012		25.05.2015
Mr. Pankaj Swami	Study and characterization of semi-conducting polyaniline thin films	Res:A/41103/04.02.2005/	svc/Res:6268-140/19.05.2008	27.05.2008
Mr.Sachin Kumar	study and characterization of polymeric thin films gas sensors	Res:2/A/4516/06.08.2004/	svc/Res:5832-3026/10.03.2008/	03.04.2008
Tanu Sharma	study and characterization of polyaniline thin films for solid state devices	Res:2/A/5038/05.04.2005/	svc/Res:8124-1060/21.06.2012/	25.07.2012
Kavita Sharma	Study of short and long term variations of ionospheric F-region parameters for empirical modelling of ionosphere over the Indian zone	Res:2/B/4517/05.04.2006/	svc/Res:6708-1639/15.01.2009/	20.03.2009
Mr. Rahul kaushik	Spectroscopic and electrical conductivity studies in some hydrated salts	Res:2/A/7390/17.05.2007/	svc/Res:9219-5177/12.02.2014/	24.05.2014
Mr. Anurag Sharma	Spectroscopic, structural and thermodynamic studies of d ⁴ to d ⁹ transition metal coordination compounds containing heterocyclic rings analogues of cyclopentadiene with one Hetero-Atom	Res:2/A/700046/20.12.2007/	svc/Res:2660-2084/07.12.2015/	19.12.2015
Mr. Narendra Pathak	Spectroscopic studies in vanadyl ion doped simple and mixed double salts	Res:2/A/7450/5896/06.08.2007/	svc/Res:1642-3095/31.10.2013/	02.12.2013
Mr. Sandeep Sharma	Study of electronic and magnetic properties of one and two dimensional structures	Res:2/A/80846/1301/04.06.2009/	svc/Res:2732-2161/04.04.2016/	01.06.2016
Mr. Sevak Nagar	Electrical conductivity and EPR studies in some hydrated and Mn ²⁺ doped	Res:2/5039/13.02.2001/ &	svc/Res:5039/1245/19.09.2006/	07.10.2006

- Research Publications :**
- a) Published **27 research papers** in different SCI referred International and National journals.
 - b) Participated in various National and International Seminars, symposium and workshops.
 - c) Organised a five days workshop on New and Renewable Energy Sources funded by Ministry for New and Renewable Energy Sources, Govt. of India, New Delhi.

Managing Capabilities:

- **Programme officer,**
National Service Scheme, N.A.S. (PG) College, Meerut.
- **Prof. In-charge,**
Rovers & Rangers, N.A.S. (PG) College, Meerut.
- **Secretary/Vice-president,**
Teachers Association, N.A.S. (PG) College, Meerut.
- **Co-ordinator,**
Career oriented courses programme, N.A.S. (PG) College, Meerut
- **Co-ordinator,**
LLM (Self financed course) N.A.S. (PG) College, Meerut.
- **Deputy Controller (Evaluation),**
C.C.S. University Examination. Centre - N.A.S. (PG) College, Meerut.
C.C.S. University Examination Centre – Manyavar Kashiram shodh Sansthan Campus, Meerut
- **Assistant Superintendent (Examination),**
C.C.S. University Examination, Centre - N.A.S. (PG) College, Meerut.
- **Examination In-charge**
C.C.S. University Examination & Other Examinations (NET, C.A, C.S. & Banks) Centre - N.A.S. (PG) College, Meerut.
- **Member of Flying Squad**
C.C.S. University Examination, Centre - N.A.S. (PG) College, Meerut.
- **Admission In charge (Science stream/LL.B.),**
N.A.S. (PG) College, Meerut.
- **Chief Proctor,**
N.A.S. (PG) College, Meerut.
- **Convener/Member,**
Various committees (Sports, Building, Central Purchase, Library, Prospectus, NAAC, IQAC, etc) N.A.S. (PG) College, Meerut.

Social Activities:

- **Honorary Secretary /Manager,**
Sh. K.L. Shastri Inter College, Munni, Bulandshahar (U.P.)
- **Life member,**
Indian Science Congress, Kolkata. West Bengal
- **Honorary Secretary,**
Sh. K.L. Shastri Samark Sansthan, Kalyanpur, Kanpur (U.P.),
recognized and aided by Govt. of India, Ministry of Social Justice
& Empowerment, Shastri Bhawan, New Delhi. (India).

Research Publications:

1. Optical Absorption of Co^{++} ions doped in Potassium Tutton salt single crystals, Solid State Communications, Vol. 79, No. 6, 539-542, (1991), ISSN – 0038-1098/91, Impact Factor- – 1.620 Co-auth – 02, Main author– Yes (Corresponding author), API-24.5.
2. Electrical conductivity and EPR investigations in manganese doped polycrystalline $\text{K}_2\text{Ti}_4\text{O}_9$, *Eur. J.Solid State Inorg. Chem.*, Vol. 29. Page No.9., 229-238, (1992). Co-author-3, Main author-No ISSN – 0992-4361 Impact Factor- 1.894, API-11.5.
3. Systematics of variation of crystal field parameters in Mn^{2+} doped ammonium Tutton Salts Asian Journal of Physics – Vol. 6 No.3 (1997) 451 – 457.pp, ISSN.097-123093, Impact Factor-1.568, Co-author-01, Main author-Yes(Corresponding author), API-24.5.
4. Electrical Conductivity investigation of Polycrystalline Samples of $\text{Na}_{2-x}\text{K}_x\text{Ti}_3\text{O}_7$ ($x = 1.5$), Page No. 763-766 Vol. 7(4) (1998). Asian Journal of Physics – Co-author-01, Main Author- Yes. ISSN – 097-123093 Impact Factor – 1.568, API-24.5 .
5. Energetics of solar photovoltaic lantern, World Renewable Energy Congress, VII (2002) Cologne, Germany – 2002. Proceedings published in Elsevier Science. Ltd. ISSN – Impact Factor- – Co, auth – 02, Main auth – Yes(Guide). Page No– 05. API-17.5.
6. Electrical conductivity studies in heavily doped. $\text{KCl} : \text{CdCl}_2$ system, Asian Journal of Physics Vol. 12 No – 4 (2003) 385 – 388. ISSN – 097-123093 Impact Factor- – 24.. Co-author-01, Main Author- yes. API-24.5.
7. Ionospheric precursors observed at low latitudes during the Koyna earthquake, COSPAR – Beijing, China 2007. J. Advances in space research (2007) doi – 10.1016/J.asr. 2007.06.026, ISSN – Impact Factor-. Co-author – 05, Main author- Yes (Guide), API-17.5.
8. A Statistical Study Of Variability Of Ionospheric of F_2 With Sunspots. International Journal of Essential Sciences . Vol-1 ,No-1, (2007). ISSN – 097-123093 Impact Factor – 1.568, Co-author – 03, Main author- Yes (Guide) 24.5.
9. Polyaniline Based Gas Sensor For The Detection Of Toxic And Corrosive Gases In Environment. International Journal of Essential Science. Vol-1, No-1,(2007). ISSN – 097-123093 Impact Factor – 1.568, Co-author – 01, Main author- Yes(Guide), API-24.5.
10. A Theoretical Model For Electric Field Assisted Deaquation In Sodium Tungstate Dehydrate. International Journal of Essential Science. Vol-2. No-1,(2008). ISSN – 097-123093 Impact Factor – 1.568, Co-author – 02, Main author- Yes , API-24.5.

11. Ionospheric Modeling for short and long term prediction of F-region parameters over Indian zone. Page No. 1-10, Journal of Geophysical Research, ISSN – 1029/2007 Ja012539. – (2008), Impact factor 3.318, Co-author – 05, Main Author Yes(Guide), API-28.
12. Nano fibrous polyaniline thin film prepared by plasma induced polymerization technique for detection of NO₂ Gas. Page No. 615-620 (2009), Journal of Polymers advanced technologies. ISSN No. 1099-1581, Impact Factor, 3.364, Co-authors- 06. Main author- Yes(Guide). API-28 .
13. UV-Visible Absorption, FTIR And X-Ray Characterization of PANI And its Copper doped Derivative. International Journal Essential Science. Vol-3,No-2,(2009). ISSN – 097-123093 Impact Factor – 1.568, Co-author – 02, Main author- Yes (Guide), API-24.5.
14. Spin-relaxation and Quenching in cobalt tutton salts. International Journal of Essential Science. Vol. 4No. 1 and 2, (2010) ISSN – 0973 – 8436. Impact Factor-- N/AV Co-author. 03, Main Author- Yes(Corresponding author). API-17.5
15. Electrical optical and structural characterization of Polyaniline thin film, prepared by pulsed-plasma Polymerization. Page No. 369-377, ISSN – 0973 – 8622 Impact Factor. – 0.435 Journal of Polymeric Materials Vol. 27, No. 4 (2010) Co-author-02, Main author – Yes(Guide). API-21.0
16. Development of NO₂ Gas Sensor based on plasma Polymerized nano-structure polyaniline Thin film Page No. 997-1006, Journal of minerals and materials characterization and engineering (JMMCE), Vol. 9(11), (2010) ISSN No. 00222461/157324803(over line) Impact Factor-2.599 ,Co-authors-02, Main author – Yes(Guide), API-28.0.
17. A.C. Conductivity Study In Iron doped K₂Ti₄O₉ . International Journal of Essential Sciences. Vol-2,No-2, (2011). ISSN – 097-123093 Impact Factor – 1.568, Co-author – 03, Main author- Yes API-24.5.
National Academy of Sciences, India-2004. University of Rajasthan, Jaipur.
18. Spectroscopic and Structural studies of Co(II), Ni(II), Cu(II) and Pd(II) Metal Complexes with [p- (p-Amino Phenyl)Thio] Phenylpyrrole-2-Yl-Ethylidene. International Journal of Essential Science Vol-5, No. 2, (2011). ISSN – 097-123093 Impact Factor – 1.568, Co-author – 01, Main author- Yes, API-24.5.
19. Thermodynamic Functions of some moieties involving Heterocyclic Analogues of Cyclopentadiene. International Journal of Essential Science. Vol-6,No-1&2, (2012). ISSN – 097-123093 Impact Factor – 1.568, Co-author – 01, Main author- Yes, API-24.5.
20. Spectroscopic and structural investigations of Mn(II), Co(II), Ni(II), Ph(III), Ru(III) and Ir(III) complexes with m-Amino phenyleneformimidoylfuran-2-yl-ketone. International Journal of Essential Science Vol-6, No.1 & 2, (2012). ISSN – 097-123093, Impact Factor – 1.568, Co-author – 01, Main author- Yes (Guide). API-24.5.
21. FTIR, Raman and Thermodynamic Functions of 5 – Carboethoxy – 4- Hydroxy – 2 – Mercapto Pyrimidine, International transaction in applied sciences. July – September (2012), Vol. 4, No. 3, PP – 427 – 436, ISSN – 0974 – 7273, Online (0975 - 3761). Impact Factor- N/AV Main Author – Yes. Co – Author – 04. API-17.5.

22. Ferromagnetism in Monatomic chains – An Electron correlation phenomenon. Published in 2nd International Conference on Emerging Trends in Engineering & Technology , April 12,13. **(2013)**. College of Engineering Teerthanker Mahaveer University. Co – Author-04, Main Author – Yes(Guide). API-17.5
23. EPR of Va 2+ in RbMgCl₃.6H₂O crystals. International Journal of Essential Science. ISSN – 097-123093, Impact Factor- 1.568 Vol. 7, No-2, **(2013)**, P-59-68. Co – Author-01, Main Author – Yes(Guide). API-17.5
24. EPR and optical absorption of vonadyl doped mixed Tulton Salt. Acta Ciencia Indica, Vol – XLP. No. 1,PP 43 – 48. **(2014)**. ISSN. 0253 – 732x, Co-author -02, Main author-Yes(Guide). If. N/AV. API-17.5.
25. Study of EPR of Vo²⁺ in RbCl crystals. Acta Ciencia Indica. Vol XL11 P. No. 2, **(2016)**. PP. 89.94. ISSN – 0253 – 732 x, Co-author. 01, Main author – Yes, Impact Factor= N/AV. API-17.5
26. Dielctroscopic studies on dissolution of Aggregates in Mn²⁺ Doped Alkali Halide System. Acta Ciencia Indica. Vol. X L 11 P, No. 4. 215-18 **(2016)**. Impact Factor- N/AV Co-author- 03, Main Author – Yes(corresponding author). FSSN – 0253 – 732X. API-17.5
- 27.Emission and Excitation studies in Eu⁺⁺ and Mn⁺⁺ doped KBr. Asian journal of Physics, Vol. 6, No. 3 **(1996)**. ISSN – 097- 123093, Impact Factor-1.568,Co-author-01,Main author- yes
28. EPR of VO₂⁺ in RbMgCl₃.6H₂O Crystals, Vol.7 No.2 2013