

Dr. Shahanshah Haider Abdi



Areas of Interest:

- Astrophysics and GTR
- A.C./D.C. conductivity studies of different alkali Titanates

Education

- **Ph. D. (2001)**, Physics, V.B.S. Purvanchal University, Jaunpur, U.P.
Thesis title: Accretion onto a rotating compact objects in general relativity.
- **ADCA (1997):** Advance Diploma in computer Applications from CDAC
- **M. Sc. (1994):** Physics with specialization in Electronics, Aligarh Muslim University, Aligarh, U.P.
- **B. Sc. (1991):** Physics, Mathematics and Chemistry, Avadh University, Faizabad, U.P.

Academic Experience

- **Professor**, Department of Physics, Babu Banarasi Das National Institute of Technology, Lucknow, since 12 March 2015 to till date.
- **Associate Professor**, Department of Physics, Babu Banarasi Das National Institute of Technology, Lucknow, UP from July 2010, 2009 to 12th March 2015.
- **Assistant Professor**, Department of Physics, Babu Banarasi Das National Institute of Technology, Lucknow, UP from 12 June 2007 to July, 2010.
- **Senior Lecturer**, Department of Physics, Babu Banarasi Das National Institute of Technology, Lucknow, UP from 26 Nov, 2005 to 11 June 2007.
- **Lecturer**, Department of Physics, Babu Banarasi Das National Institute of Technology, Lucknow, UP from 3 September, 2001 to 4 February, 2005.
- **Lecturer**, Department of Physics, Dr. A.H.R. Shia Degree College, Jaunpur, UP from 19 November, 1994 to 31 August, 2001.

Selected Publications

1. D. Pal, **S. H. Abdi**, G. Tripathi, V. K. Maurya, K. Sachan, S. A. Khan, "*Effect of heavy mixing lithium with doping of manganese on structural*", EPR and dielectric spectroscopic properties of Layered $\text{Na}_2\text{Ti}_3\text{O}_7$, Journal of Materials Science, Materials Electronics, (**Springer**), 24 (5), 1562-1568, **2013**.
2. D. Pal, **S. H. Abdi**, G. Tripathi, V. K. Maurya, S. A. Khan, J. K. Yadav, K. Sachan, "*EPR and mixed ionic and electronic conductivity studies of pure and copper doped layered lithium sodium titanate (LiNa) Ti_3O_7* ", International Journal of Modern Physics, (World Scientific), 22, 374-379, **2013**.
3. D. Pal, S. H. Abdi, G. Tripathi, K. Sachan, S. Sharma, "*Influence of copper doping on structural and dielectric response on sodium lithium tri titanates ($\text{Na}_{1.9}\text{Li}_{0.1}\text{Ti}_3\text{O}_7:X\text{Cu}$ ($0.0 \leq X \leq 0.1$))*", Journal of Materials Science, Materials electronics, (**Springer**), 23 (10), 1835-1843, **2012**.

4. D. Pal, **S. H. Abdi**, G. Tripathi, V. K. Maurya, S. A. Khan, J. K. Yadav “*Electron Paramagnetic Resonance studies of layered HSTL and its Copper Doped Derivatives*”, JECET, vol. 2 (2), 212-216 May, **2013**.
5. **S.H. Abdi**, D. Pal, “*Dielectric Spectroscopic studies of Lithium mixed layered Potassium tetra Titanates ($K_{1.9}Li_{0.1}Ti_4O_9$) electrode materials for K ions batteries*”, National Conference on (CTES-2019), Department of Applied Science, REC Ambedkar Nagar, Sep. 6-7, **2019**.

Other details:

MEMBER OF BOARD OF STUDIES (BOS)

- **Member of Board of Studies (Physics)**, Dr. APJ Abdul Kalam Technical University, Lucknow, UP, India.
- **Member of RDC (Physics)**, Gautam Budha Technical University, Lucknow, UP.
- **Member of Board of Studies**, (Department of Physics), Babu Banarasi Das University, Lucknow, UP, India, for session 2011-12.
- **Member RDC (Department of Physics)**, Babu Banarasi Das University, Lucknow, UP, India for session 2011-12.

REASERCH BOOK

1. **Author’s Name:** D. Pal, **S. H. Abdi**
Title: “*Investigations on Some Pure and Doped Sodium Lithium TriTitanates (Na₂-XLIXTi₃O₇)*”
Publisher Name: VDM Verlag Dr. Muller Gmbh and Co. Germany
(Printed in U. S. A)
ISBN: 978-3-639-36643-3
2. **Author’s Name:** N. Choudhary, **S. H. Abdi**
Title: “*Perspective of Engineering Physics Vol. I and Vol. II* ACME Learning”
Publisher Name: An Associate of Excel books Delhi.
ISBN: 978-81-907104-5-9
3. **Author’s Name:** S. C. Goyal, **S. H. Abdi**
Title: “*Nano Science*”
Publisher Name: Ardent Publication, Delhi.

MEMBER OF EDITORIAL BORAD/REVIEWER

- Journal of Applied Physics.
- American journal of Astrophysics & Astronomy.
- American journal of Modern Physics.

MEMBERSHIP OF SCIENTIFIC SOCIETY

- Life Member of *Plasma Science Society Of India (PSSI)*, Institute For Plasma. Research. Gandhi nagar (LM 1729).
- Life Member of *Material Research Society of India* (L1666).
- Life Member of *Indian Association of Physics Teachers* (8952-L5337).
- Associate Member of *Astronomical Society of India* (A-1072).