

# RESUME



**Fazli Hadi**

**S/o**

**Waris Khan**

**Height: - 5 ft' 10 inch**

**Weight: - 74 kg.**

**Blood Group: - B+**

**N.I.C # 16102-7243534-9**

**Passport # DC1327611**

**Date of Birth: - 15-02-1980**

**Place of Birth: - Pakistan**

**Domicile: - Mardan**

**Marital Status: - Married**

**Languages: - English, Urdu,  
Pashto.**

**Residential Address: -**

Village & P.O Jalala, Tehsil Takht  
Bhai, Distt: Mardan, KPK, Pakistan

**Postal Address: - As above**

**Mobile: +92-300- 3447787**

**Contact E-mail: -**

[fzhadi@yahoo.com](mailto:fzhadi@yahoo.com)

[hadiphysics@uswat.du.pk](mailto:hadiphysics@uswat.du.pk)

## OBJECTIVE

To work in an atmosphere of learning with full devotion, sincerity and for the propagation of knowledge.

## EDUCATION

**Doctor of Philosophy in Physics (CGPA 3.6/4.00)**

**(Plasma Physics)**

Department of Physics

University of Peshawar, Peshawar,

KPK, Pakistan. 2015.

## PHD THESIS TITLED

**“Study of Perpendicularly Propagating Modes in Magnetized Non-Relativistic Plasma with Loss-Cone Distribution”**

**Master of Science in Physics (1<sup>st</sup> Division)**

Department of Physics

University of Peshawar, Peshawar,

KPK, Pakistan. 2002.

**B.Sc (Physics, Maths-A & Computer Science) (1<sup>st</sup> Division)**

University of Peshawar, KPK, Pakistan.

2000.

**F.Sc (Pre. Engineering) (1<sup>st</sup> Division)**

BISE-Peshawar, KPK, Pakistan. 1998.

**SSC (Science) (1<sup>st</sup> Division)**

BISE-Peshawar, KPK, Pakistan. 1996.

## OTHER QUALIFICATION

**B. ED (1<sup>st</sup> DIVISION)**

Institute of Education & Research

University of Peshawar, KPK, Pakistan.

2004.

## PERSONAL QUALITIES

Have good Faculty of understanding, judgment, and reasoning. Honest, trustworthy, quick learner, Well-organized, Good conceiving and Observing mind, Hard worker, Well-groomed and Team player.

## List of Published Papers:

- i- On the Ordinary Mode Instability for Low Beta Plasmas, PHYSICS OF PLASMAS **21**, 052111 (2014) by **Fazli Hadi**, Muhammad Fraz Bashir, Anisa Qamar, Peter H. Yoon, and R. Schlickeiser.
- ii- Bernstein Instability Driven by Thermal Ring Distribution, PHYSICS OF PLASMAS **21**, 074502 (2014) by Peter H. Yoon, **Fazli Hadi**, and Anisa Qamar.
- iii- Ordinary Mode Instability Associated with Thermal Ring Distribution, PHYSICS OF PLASMAS **22**, 022112 (2015) by **Fazli Hadi**, Peter H. Yoon, and Anisa Qamar.

iv- Weakly dissipative dust acoustic Solitons in the presence of superthermal particles: Contribution to Plasma Physics: DOI: 10.1002/ctpp.201700008: By: Saadat Khan, Ata-ur- Rahman, **F. Hadi**, Aurang Zeb, M. Z. Khan.

v- Streaming Jeans-Alfvén Instability in Quantum Magneto plasmas. Journal for Nature Research A (Zeitschrift für Naturforschung A): DOI: 10.1515/zna-2017-0244. By: M. Jamil, A. Rasheed, **F. Hadi**, G. Ali; Muhammad Ayub.

vi- Landau Damping Electrostatic Modes in Nonthermal Plasma Journal: Physics of Plasma. DOI: 10.1063/1.5006802 By: **F. Hadi**, Ata ur Rahman, A. Qamar.

vii- Damped Kadomtsev Petviashvili equation for weakly dissipative solitons in dense relativistic degenerate plasmas: Communication in Theoretical Plasma Physics. DOI: 10.1088/0253-6102/68/6/783. By: S. Ahmad, Ata-ur-Rahman, S. A. Khan, and **F. Hadi**.

viii- Landau Damping of Dust Acoustic Waves in a Nonthermal Plasma Journal: Physics of Plasma. DOI: 10/1063 /1.5024224 By: **Fazli Hadi**, and Ata-ur-Rahman

ix- Kinetic Study of Dust Ion Acoustic Waves in a Nonthermal Plasma Ata-ur-Rahman, **Fazli Hadi**, and Anisa Qamar. Journal of the Physical Society of Japan 88, 5674325 (2019), <https://doi.org/10.7566/JPSJ.88.5674325>.

### **Submitted papers:**

- ii- Dust Acoustic Waves in Nonthermal Plasma
- iii- Electron Acoustic Waves in Cairns distributed Plasma

### **Scholarships:**

- 1- 5000 Indigenous Scholarships Batch – IV (2007/08)
- 2- International Research Support Initiative program (IRSIP) to University of Maryland at College Park (USA)

### **Conferences Attended:**

- 1- “International Scientific Spring” March 01-06, 2010 (ISS-2010) at National Centre for Physics, Quaid-i-Azam University Campus, Islamabad.
- 2- “12<sup>th</sup> National Symposium on Frontiers in Physics” 2-5<sup>th</sup> February, 2011 at Government College University Lahore.
- 3- “One day Workshop on Plasma Physics” 5<sup>th</sup> March, 2011 at National Centre for Physics, Quaid-i-Azam University Campus, Islamabad.
- 4- “Pakistan Physical Society Conference on Contemporary Physics” 15-17 Nov. 2011, Department of Physics University of Gujarat.
- 5- “One day Workshop on Plasma Physics” 9<sup>th</sup> March, 2012 at National Centre for Physics, Quaid- Azam University Campus, Islamabad.
- 6. “14<sup>th</sup> National Symposium on Frontiers in Physics” 21-24<sup>th</sup> February, 2019 at Government College University Lahore.

### **References of academic advisors**

1: Dr Peter H. Yoon (PhD Plasma Physics)  
Senior Research Scientist  
Institute for physical science and technology  
University of Maryland USA  
Office: CSS 4102  
Phone: 301-405-482  
e.mail:

### **Job Experience:**

Working as Assistant Professor in the Department of Physics University of Swat since 2016.

2: Dr. Anisa Qamar (PhD Plasma Physics)  
Associate Professor  
University of Peshawar, Pakistan  
Phone: (+92) 9216727  
e.mail: [anisaqamar@gmail.com](mailto:anisaqamar@gmail.com)

**Additional Responsibilities:**

- (i) Semester Coordinatore BS Physics Program.
- (ii) Member of admission Committee.
- (iii) Member of Purchase Committee.
- (iv) Ex-member of proctorial board of the university.

**Projects:**

- (i) SRGP project (in progress) Title: **Analytical and Numerical Study of Various Electrostatic and Electromagnetic Modes in Non-relativistic Lorentzian Plasma**