

## *CV of Prof. (Retd.) Dr. H.R. Verma*

### ***Residential Address and Personal Information***

H.No. 1415 Sector-21, Panchkula-134112  
(Mob.) 099159 32745  
e-mail: [drhrverma@yahoo.com](mailto:drhrverma@yahoo.com)



***Date and Place of Birth:*** April 10, 1948  
V. Narike, Teh. Maler Kotla, Distt. Sangrur (Punjab)

### ***Educational Qualification(Highest Degree)***

Ph.D. (1979) Panjab University Chandigarh  
Thesis Title: The Decay Characteristics of some Radioactive Nuclei  
<http://hdl.handle.net/10603/80048>

Thesis Supervisor: (Late) Prof. Dr. P.N.Trehan,  
Department of Physics, Panjab University Chandigarh

***Subject Specialization:*** Nuclear and Particle Physics, Atomic and Nuclear  
Analytical Methods, X-ray Physics

### ***Teaching (40 years) and Administrative Experience***

Guest Faculty, Department of Physics, Punjabi University Patiala 2013-2018

Professor of Physics and Dean Academic Affairs  
IEC University Baddi (HP) – Aug.06, 2012 - July 31, 2013

Professor of Physics and Controller (Admissions and Examinations)  
SGGS World University, Fatehgarh Sahib –July 27, 2011 - Feb. 15, 2012

Director-Principal, Institute of Engineering and Technology, Bhaddal (Ropar) –  
May 1, 2008 – April 30, 2011

Professor / Reader/ Lecturer, Department of Physics  
Punjabi University Patiala – **April 28, 1980 to April 30, 2008**

Professor Applied Sciences Department (UPSC selection) and Head  
Punjab Engineering College Chandigarh (Now PEC University of Technology  
Chandigarh)– July 15,1992 to June 22, 1993

Lecturer in Physics, DAV College Chandigarh – 01-08-1979 - 27-4-1980

Lecturer in Physics, Punjab Engineering College Chandigarh (Now PEC  
University of Technology Chandigarh) 01-11-1972 to 30-04-73; 27-07-1973

to 30-04-1974; 15-07-1974 to 30-04-1975 and 16-7-1976 to 30-4-1977

***Research Experience (36 years)***

**(a) Research Projects Handled (as research supervisor):**

“Deuteron-induced K- and L-X-Ray cross section measurements” sanctioned by Council of Scientific and Industrial Research(CSIR)

“K, L and M X-Ray production using heavy ions” Major Project sanctioned by the Department of Science and Technology (DST)

“Study of Multiple Ionization by heavy ion Impact” sanctioned by Nuclear Science Centre (NSC)/University Grants Commission (UGC)

**(b) Research Publications**

*Google Scholar's Citations (Total) : 836; h-index 14, i10-index 17  
(Since 2017): 187; h-index 06; i10-index 02*

**Research Papers Published:**

In International Journals: **52**

National/ International Conferences/ Seminars/ Symposia: **65**

**Books Published: 2**

(i) Atomic and Nuclear Analytical Methods (Springer- Verlag, Heidelberg, 2007)

(ii) Engineering Physics ( Modern Publishers, Jalandhar 2006, 2010)

**(c) Research Guidance:**

(i) Ph.D. students guided and degrees awarded: 04

(ii) M.Phil. students guided and degrees awarded: 06

**(d) Participation in National/ International Conferences/ Seminars/ Summer Schools and Workshops:**

(i) Attended a number of National / International conferences/ Symposia and presented papers at Chandigarh , Delhi , Bombay , Pune, Madras , Mangalore, Patiala , Aligarh , Jaipur and Hyderabad in different years.

(ii) Attended Asian Regional Course at Quaide-I-Azam University Islamabad ( Pakistan ) from Nov.8-19, 1986

(iii) Attended 50th Autumn meeting, The Japan Society of Applied Physics, Fukuoka (Japan), Sept.1989

- (iv) Attended International Conf.on the Application of Accelerators in Research & Industry, Denton, Texas ( USA ) Nov.7-10, 1994
- (v) Participated in discussion meeting on ion-atom and ion-molecule collision phenomenon held at TIFR, Bombay from Jan 20-31, 1996
- (vi) Attended Workshop on High Resolution X-ray and Auger electron spectroscopy with high energy heavy ion beams, NSC Delhi Feb.26, 1996
- (vii) Attended A.P.Patro memorial Workshop on Accelerator Technology, NSC Delhi April 22-24, 1996
- (viii) Attended Workshop on Nuclear Data for Science and Technology: Material Analysis organized by ICTP Trieste (Italy) May 19-30, 2003
- (ix) Attended International Conference on Ion-Beam Analysis at Hyderabad (India), Sept. 23-28, 2007

**(e) Foreign Countries Visited and Purpose of Visit**

Sweden : At Uppsala University , Uppsala for one year (1983-84) on fellowship offered by International Program of Sweden and UNESCO

France ,Germany , Switzerland and U.K. : Study Tour (May 1984)

Pakistan : To attend Asian Regional Course at Quaide-I-Azam University Islamabad (Nov.8-19, 1986)

Japan : At Ritsumeikan University Kyoto for one year (1989-90) on JSPS post-doctoral Fellowship

USA : To attend International Conference on the “Application of Accelerators in Research and Industry” at Denton , Texas (Nov.1994)

Italy : To attend workshop on Nuclear Data for Material Analysis at ICTP Trieste (May 19-31, 2003)

Germany : To visit Institute of Nuclear Physics and present Seminar at Justus Liebig University Giessen and also to visit Johann Wolfgang Goethe University Frankfurt (June 2-8, 2003)

Singapore and Malaysia:Excursion Tour (Dec. 2009)

Hongkong, Macau and Shenzhen: Excursion Tour (Dec. 2011)

Bangkok, Pattaya and Hua-Hin: Excursion Tour (Nov.10-17, 2017)

Dubai and Abu Dhabi: Excursion Tour (Dec. 21-28, 2017)

Europe Tour (June 6- July 2, 2019) Helsinki (Finland), Paris (France),  
Innsbruck, Salzburg (Austria), Zurich, Engleberg, Luzern, Interlaken  
(Switzerland), Vaduz (Liechtenstein), Venice, Pisa, Rome (Italy),  
Tallinn (Estonia)

### ***Key Skills***

Strong Analytical, Verbal and Writing Skills (English, Punjabi, Hindi)

Experience of Resource Management

Computer Skills:

Knowledge of Computer Languages like Fortran/ Pascal/ C++,

Working knowledge of various software including

Microsoft office, CorelDraw12, Excel, PowerPoint

### ***Fellowships of Various Organizations***

Fellow, Indian Physical Society

Life Member, Indian Society for Radiation Physics (LM-0474)

Life Member, Punjab Academy of Sciences

### ***Honors/ Awards***

The TWENTIETH CENTURY AWARD FOR ACHIEVEMENT (International  
Biographical Centre UK)

Invited to join MEMBERSHIP OF THE NEW YORK ACADEMY OF SCIENCES

**Rashtriya Gaurav Award 2007** (India-International Friendship Society Delhi)

Biodata published in the Dictionary of International Biography 24<sup>th</sup> Edition

Published by International Biographical Centre, Cambridge, England

-----