

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

Residential Address and Personal Information

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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 24th Edition

Published by International Biographical Centre, Cambridge, England
