

PERSONAL DETAILS

Name: Dr. Vijaykumar Shivkumar Shukla

Academic Qualifications: M.Sc.(Physics), Ph.D.

Email Address: vssbn53@gmail.com

Present Post: Head, Department of Physics

Total Teaching Experience: 43 Years (UG-43 years, PG: 17 Years)

My Guide of Ph.D.: Prof S. Lokanathan and Dr. K.B. Bhalla, University of Rajasthan, Jaipur

PUBLICATIONS

- (i) G. Claesson et al, Phys. Rev. D33 (1986) 2729.
- (ii) M.I. Adamovich et al, EMU 01 Collaboration, Phys. Lett. B201 (1988) 397.
- (iii) V.S. Shukla et al, Mod. Phys. Lett. A3 (1988) 1411.
- (iv) V.S. Shukla et al, Mod. Phys. Lett. A3 (1988) 1753.
- (v) V.S. Shukla et al, Int. Jour. of Mod. Phys. A4 (1989) 4845.
- (vi) M.I. Adamovich et al, EMU 01 Collaboration, Phys. Lett. B223 (1989) 262.
- (vii) M.I. Adamovich et al, EMU 01 Collaboration, Phys. Lett. B227 (1989) 285.
- (viii) M.I. Adamovich et al, EMU 01 Collaboration, Phys. Rev. Lett. 62 (1989) 2801.
- (ix) M.I. Adamovich et al, EMU 01 Collaboration, Phys. Rev. C40 (1989) 66.
- (x) A. Gill et al, Int. Jour. of Mod. Phys. A5 (1990) 755.
- (xi) A. Gill et al, Int. Jour. of Mod. Phys. A6 (1991) 3723.

SUMMER SCHOOL/REFRESHER COURSES ATTENDED

- (I) All India Advanced Level Summer Institute in Experimental Physics II, (13th June to 2nd July 1983), University of Rajasthan, Jaipur.
- (II) Refresher Course in Mechanics, Wave Motion and Electromagnetic Theory, (18th Sep. to 7th Oct. 1989), University of Rajasthan, Jaipur.
- (III) Refresher Course in Nuclear Physics, (26th Dec. 1989 to 15th Jan. 1990), University of Rajasthan, Jaipur.
- (IV) UGC sponsored Computer Training Course (14th Mar. to 26th Mar 1994) at University Computer Centre, University of Rajasthan, Jaipur.

CONFERENCE/SYMPOSIUM/WORKSHOPS ATTENDED

- (i) Nuclear Physics Symposium, (Dec. '85), University of Rajasthan, Jaipur.
- (ii) National Workshop on Fixed -Target Physics at High Energies (Feb. 1986), Jadavpur University, Calcutta.
- (iii) VIII H.E.P. Symposium, (Nov. 1986), Saha Institute of Nuclear Physics, Calcutta.
- (iv) Workshop on High Energy Heavy Ion Collision and Quark Degrees of Freedom in Nuclei, (Jan. 1987), Institute of Physics, Bhubaneswar.
- (v) Workshop on Quarks and Nuclei, (Feb. 1988), University of Rajasthan, Jaipur.
- (vi) IX H.E.P. Symposium, (Dec. 1988), Indian Institute of Technology, Madras.

(vii) International Conference on Recent Advances in Microwave Theory and Applications, Microwave-2008, Nov. 21-24, 2008, Jaipur, India.

(viii) Orientation Programme for Teachers, July 13-20, 2022, Shri Bhawani Niketan P.G. College, Jaipur

(ix) Workshop on Innovative Experiments in Science, 28 Feb. 2022, Shri Bhawani Niketan P.G. College, Jaipur

PAPERS READ

(i) V.S. Shukla et al, BCJIL Collaboration, EA-2 (1986) 66, VIII H.E.P. Symposium, Calcutta.

(ii) V.S. Shukla, JJC Collaboration, XII-2 (1988), IX H.E.P. Symposium, Madras.

(iii) V.S. Shukla, JJC Collaboration, XII-5 (1988), IX H.E.P. Symposium, Madras.

CONFERENCE PAPERS

(i) BCJIL Collaboration, Proc. Of 7th High Energy Heavy Ion Study, GSI Darmstadt, Oct. 8-12 (1984) 429.

(ii) BCJIL Collaboration, Second Int. Conf. on Nucleus-Nucleus Collisions, Visby, Sweden, Vol.1, D11(1985) 90.

(iii) BCJIL Collaboration, VIII H.E.P. Symposium, Calcutta, EA-2 (1986) 66.

(iv) JJC Collaboration, IX H.E.P. Symposium, Madras, XII-2 (1988) .

(v) JJCLL Collaboration, IX H.E.P. Symposium, Madras, XII-3 (1988) .

(vi) JJC Collaboration, IX H.E.P. Symposium, Madras, XII-5 (1988) .

(vii) JJCL Collaboration, IX H.E.P. Symposium, Madras, XII-6 (1988) .

(viii) JJ Collaboration, IX H.E.P. Symposium, Madras, XII-4 (1988).

SPECIAL ACHIEVEMENTS:

1. Post Graduate Thesis Supervision

S.No.	Name of the Student / Research Scholar	Title of thesis	Doctorate or Master's level	Year of Completion
1.	Arvind Kumar Tanan	The Characteristics And Applications of Operational Amplifier	M.Phil	2009

2. Work done towards developing new courses or laboratories

(1) Designed Electronics experiments of B.Sc. and M.Sc. in the lab.

(2) One student of M.Phil submitted Desertation under my guidance in Feb. 2009.

3. Leadership: Commanded one Platoon (Infantry) and one company (Technical wing) of N.C.C. as NCC Officer.

I also led the NCC cadets team of Rajasthan during Republic Day Camp at Delhi.

BOOKS PUBLISHED:

(A) For Undergraduate Students

(a) For all Universities of Rajasthan

1. Electronics and Solid State Devices – JPH Publications, Jaipur
2. इलेक्ट्रॉनिकी एवं ठोस प्रावस्था युक्तियाँ - JPH Publications, Jaipur
3. Mechanics – RBD Publishing House, Jaipur

(b) For University of Rajasthan and other Universities with same syllabus

1. Mechanics – RBD Publishing House, Jaipur
2. Electromagnetism - RBD Publishing House, Jaipur

According to NEP 2020

1. Mechanics and Oscillations – RBD Publishing House, Jaipur
2. Electromagnetism - RBD Publishing House, Jaipur

(c) For Kota University and other Universities with same syllabus

1. Electromagnetism - RBD Publishing House, Jaipur

According to NEP 2020

1. Mechanics – RBD Publishing House, Jaipur
2. Electromagnetism - RBD Publishing House, Jaipur

(B) For Post Graduate Students of Indian Universities

1. Electronics - RBD Publishing House, Jaipur
2. Microwave Electronics and Satellite Communication – Blue Rose Publishers, Delhi