

Curriculum Vitae

Name: J. SEGAR

Address: Department of Physics
R.K.M. Vivekananda College
Mylapore, Chennai 600 004
INDIA

Date of Birth: 20th May 1962

Nationality: Indian

Marital Status: Married, Having one daughter
and a son.

Qualifications: Ph.D; M.Phil; M.Sc.

Academic Positions held:

Aug 1986- Aug 1988	CSIR- JRF
Sep 1988- Aug1991	CSIR- SRF
Nov-1991-Sep1992	Temporary Lecturer Department of Theoretical Physics University of Madras
Oct-1992 Dec-1994	Research Associate (DAE)
1995-2000	Lecturer Department of Physics St. Peter's Engineering College Avadi, Chennai - 600 054

Present Position:

Since 2000 Lecturer
Department of Physics

R.K.M. Vivekananda College
Mylapore, Chennai - 600 004

Conferences Attended: III SERC School on high Energy Physics.

Shantinikaten(15-10-87 - 04-11-87)

Workshop on Strings, IISc, Bangalore(22-2-1988 - 17-3-1988)

School on QCD, IISC, Bangalore(8-3-1989-21-3-1989)

International Colloquium on Modern Quantum Field Theory

TIFR, BOmbay (8-1-1990 - 14-1-1990)

Summer School on High Energy Physics and Cosmology
at ICTP, ITALY (6-7-1992 - 31-7-1992)

X DAE Symposium on High Energy Physics,
Bombay, December, 1992

DAE Symposium on Nuclear Physics, Calicut, University
Department of Mathematics,

Osaka Prefecture University,

(1-05-2007 to 18-05-2007)

December, 1993

TPSC Speaker

For the Year 1994-95

Visited Cochin between 21-2-95 to 26-2-95

Research activities: Quantum field theory in noncommutative spaces.

Quantum group aspects of noncomutative spaces.

Appendix-I

PUBLICATIONS

1. A Quark Model based on QCD Scale Anomaly
(with *M. S. Sriram*)
Pramana . **Vol.32** 181-193 (1989)
2. A Strange Solitons in Chiral Quark-Meson Model
(with *M.S. Sriram*)
Pramana **Vol.40** 291-297 (1993)
3. Mltibaryon Solutions of A Chiral Quark-Meson Model
(with *M.S. Sriram and Sripriya*)
Int.J.Mod.Phys**E3** 769-782 (1994)
Impact Factor **1.358**
4. $B = 2$ Toroidal Soliton in a Chiral Quark Meson Model
(with *M.S. Sriram and Sripriya*)
Phys. Letts **B342** 201-205 (1994)
5. Spatiotemporal Chaos in Chiral Soliton Models
Phys. Rev. **D53** 3976-3982 (1997)
6. Nonlinear Chiral models: Soliton solutions and
Spatio-temporal chaos
(with *M.S. Sriram*)
Pramana **Vol.48** 05-229 (1997)
7. Order-Chaos Transition in Field Theories with Topological Terms:
A Dynamical Approach.
(with *M.S. Sriram, C. Mukku, B. Bambha and S. Lakshmibala*)
J. Phys. **A30** 3003-3020 (1997)
8. Maps and Twists relating $U(Sl(2))$ and the Nonstandard $U_h(Sl(2))$:
Unified construction

(with *R. Chakrabarti, B. Abdesselm and A. Chakrabarti*)
Mod.Phys.Lett.**A14** 765-777 (1999)

9. Jordanian Quantum Spheres
(with *R. Chakrabarti*)
Mod.Phys.Lett.**A16** 1731-1740 (2001)

10. Jordanian Quantum Superalgebra $\mathcal{U}_h(\mathfrak{osp}(2|1))$
(with *R. Chakrabarti and N. Aizawa*)
Mod. Phys. Lett. **A18** 885-891 (2003)

11. Generalized Boson algebra and its entangled bipartite coherent states
(with *R. Chakrabarti and N. Aizawa*)
J. Phys. **A38** 9007-9018 (2005)

12. Universal \mathcal{T} - matrix, Representations of $OSp_q(1/2)$ and Little \mathcal{Q} -
Jacobi Polynomials
(with *R. Chakrabarti and N. Aizawa and Naina Mohammed*)
J. Math. Phys. **47** 123511 (2006)

13. Basic hypergeometric functions and covariant spaces for even-
dimensional representations of $\mathcal{U}_q[\mathfrak{osp}(1/2)]$
(with *R. Chakrabarti, N. Aizawa, S.S̄ Naina Mohammed*)
J. Phys. **A40** 14985-15000 (2007)