

CURRICULUM VITAE

Dr. MANOJ KUMAR SAHA

Assistant Professor (**Physics**)
Krishna Chandra College, Hetampur,
Birbhum, W.B. India.

Contact number: 7908132992

Email: manoj_saha1976@gmail.com

Date of Birth: 11.12.1976,

Sex: Male

Address:

Indrapally, Santiniketan,
Bolpur, Birbhum.

Pin-731235

W.B. India.



Date of Joining	:	10.03.2015 At Krishna Chandra College 09.10.2002 Assistant Teacher at Keshaipur High School.
ACADEMIC QUALIFICATIONS:		M.Sc. (PHYSICS) B.Ed. Ph.D. (VISVA BHARATI)
Field of Specialization	:	Atomic and Molecular physics
Research Interest	:	Wavelet based solution of quantum mechanical problems
Teaching Experience	:	8 years in UG College / 12-year assistant teacher of physics at Keshaipur High School.
Research Experience	:	8 years

Publications:

1. M. M. Panja, **M.K. Saha**, U. Basu, D. Datta and B. N. Mandal, Computing eigenelements of Sturm-Liouville problems by using Daubechies wavelets, *Indian Journal of Pure and Applied Mathematics* 47, 553-579 (2016).
2. **M.K. Saha**, Sayan Banik, Debabrata Singh and Madan Mohan Panja, Efficient interpolating wavelet collocation scheme for quantum mechanical models in R, *The European Physical Journal Plus* 136, 487(2021).
3. Debabrata Singh, M.K. Saha, Sayan Banik and Madan Mohan Panja, An efficient interpolating wavelet collocation scheme for quasi-exactly solvable Sturm- Liouville problems in R+, *Mathematical Methods in the Applied Sciences* DOI: 10.1002/mma.8028.
4. M. K. Saha, Debabrata Singh, Sayan Banik and M. M. Panja, An interpolating wavelet collocation scheme for solutions in L2(R+) of Dirac system, *Under Review*.
5. **M. K. Saha** Arbitrary l -state solution of shifted Deng-Fan potential by interpolating wavelet collocation method, *Under Review*.

Paper Presented in National /International seminars/Conferences:

1. Wavelet based numerical technique for eigen spectrum of some quasi exactly solvable potential, **Presented** in the International Conference on Numerical Analysis and Differential Equation with Applications during July 20-22, 2019, Department of Mathematics and Centre for Applied Mathematics and Computing, **SIKSHA 'O' ANUSANDHAN (DEEMED TO BE UNIVERSITY, BHUBANESWAR)**.
2. Wavelet based numerical method for some eigenspectrum of Dirac equation, **Presented** in the International Conference on Advancement in Science and Technology (**ICAST-2018**) Sept.3-4,2018, **Department of Physics, Visva-Bharati, Santiniketan.**
3. Eigenspectrum of Dirac hamiltonian by using wavelets in Daubechies Family, **Presented** in the National Conference on Computational Mathematics and Nonlinear Dynamics (**CMND-2016**) Feb.19-21, 2016, **Department of Mathematics Visva-Bharati.**
4. Energy Spectrum of Molecular Potentials Through an interpolating Wavelet Collocation Method, **Presented** in the International Conference on Nonlinear Dynamics and its applications in Physical and Biological science (**NDAPBS-23**) **Department of Physics Durgapur Govt. College.**