

Dr. SALINI K

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Date of Joining: February 27 2020

Professional Experience: 1 Year

Academic History

- Ph.D. Physics : Central university of Kerala 2017
- M.Phil. Physics : Central university of Kerala 2012
- M.Sc. Physics : Gandhigram Rural Institute 2006
- B.Sc. Physics : Calicut university 2004

Achievements and fellowships

- UGC CSIR-NET-2009
- GATE- 2010
- Central university of Kerala research fellowship 2012-2016

Research area

Theoretical condensed matter physics, computational physics.

Teaching

Quantum Mechanics (M.Sc., B.Sc.), Classical Mechanics (MSc), Statistical mechanics (Msc).

Invited Talk

“Computational study of Nanomaterials”, Government Arts and Science College, Nadapuram 2019

Publications

- *Intraband absorption of D^- center in CdSe/CdS/CdSe/CdS multilayer quantum dot* K. S. Rahul, N. Devaraj, R. K. Babu, S. Mathew, **K. Salini** and V. Mathew, *J. Phys. Chem. Solids* 106 (2017) 99.
- *Radiative lifetime of multiexciton in CdSe/CdS coreshell quantum dot*, **K. Salini**, K. Suseel Rahul, Vincent Mathew, *Journal of Physics and Chemistry of Solids* 88 (2016) 3134.
- *Electronic Properties of an Exciton in CdTe/CdSe/CdTe/CdSe Type-II Nano-Heterostructure*, Suseel Rahul, **Salini K**, Vincent Mathew, (2016) *J. Phys.: Condens. Matter* 28 475304 .
- *Size-dependent electronic and optical properties of an exciton in CdSe/CdS/CdSe/CdS multilayer spherical quantum dot*, **K. Salini**, K. Suseel Rahul, Vincent Mathew, *Applied Physics. A* (2014) 116:13711377.

Presentations

- *Optical Properties of an Indium Doped CdSe Nanocrystal: A Density Functional Approach*, **Salini K**, Thomas Mathew and Vincent Mathew, AIP Conference Proceedings 1728, 020191 (2016).
- *Electronic properties of electron and hole in type-II semiconductor nano-heterostructures*, K. Suseel Rahul, C. Souparnika, **K. Salini**, and Vincent Mathew, AIP Conference Proceedings 1728, 020141 (2016).
- *CdSe/CdS core shell quantum-dot: The electronic and optical prop-erties with hydrogenic impurity*, **K. Salini**, K. Suseel Rahul, Vincent Mathew, UGC sponsored national seminar on nanochemistry and nanobiotechnology NANO-CHEMBIO 2014, St.Thomas College, Pala.

Seminars/ Conferences Organised

- “Webinar series on advanced topics in physics” organized by the PG Department of Physics, NAS College Kanhangad on, 25 - November 2020, 2 nd- December 2020, 9 th- December 2020, 17 th- December 2020.

Seminars / workshops attended

- *Teacher Professional Development Program, Mathematical Modeling using Technology-enabled and Student-centered learning, Training Programme for College and University Teachers (October 2021) , organized by the Department of Physics, University of Calicut in collaboration with Homi Bhabha Centre for Science Education (HBCSE), Tata Institute for Fundamental Research, Mumbai and Govt. Brennen College, Dharmadam, Kannur and funded by the KSCSTE, Govt. of Kerala at the Dept. of Physics, Govt. Brennen College during 11 & 12 October 2021.*
- *Advanced Statistics and Optimization MathWorks Webinar 28 October 2021*

Orientation/Refresher courses Participated

- *Online Faculty Induction Programme from 21.10.2021 to 19.11.2021 UGC-HRDC, Kannur University.*

Additional Responsibilities

Member of

- NASC- Women cell 2022-2023
- Executive Member - PTA 2022-2023
- Institutions Innovation Council – 2021

Appointment of 15 Assistant Professors in various Departments at Nehru Arts & Science College, Kanhangad & Nirmalagiri College, Kuthuparamba - Approved - Orders issued.

ACADEMIC H SECTION

ACAD H2/6209/2020

Dated: 09.10.2020

- Read -> Proposals for the approval of appointment of Asst. Professors received from the Principal, Nehru Arts & Science College, Kanhangad
- i) Proposals for the approval of appointment of Asst. Professors received from the Principal, Nirmalagiri College
- ii) Letter No. D2/222019/HEdn dated 05/12/2019 received from the Principal, Secretary to Government
- iv) Letter No. D2/438/2019/HEdn dated 31/10/2019 received from the Principal, Secretary to Government
- v) The Resolution of the meeting of the Syndicate, held on 15/09/2020 vide item No.2020.409
- vi) The Minutes of the meeting of the Standing Committee for Staff in Affiliated Colleges held on 24.09.2020

ORDER

1) The Principals, Nehru Arts & Science College, Kanhangad & Nirmalagiri College, Kuthuparamba vide the papers read (i) & (ii) above, forwarded the proposals for the approval of appointment of 15 persons as Assistant Professors in various Departments of Colleges, as detailed below.

Sl.No	Name of Asst. Professor	Department	Details of occurrence of vacancy	Date of joining
1	Dr. Athira..K.M	Physics	Since Dr.K.M.Udayanandan retired on 31.03.2018	27.02.2020
2	✓ Dr.Salini.K	Physics	Since Dr.R.K.Sathish retired on 31.03.2018.	27.02.2020
3	Dr. Vinesh Kumar. K.V	Economics	Since relieved vacancy of Dr.Anoopkumar.M.Asst.Prof on 04.11.2016(joined in Govt.College)	27.02.2020
4	Mrs.Jithira.P.C	Economics	Since relieved vacancy of Mr.Rathesh.P.K on 14.11.2017(joined in Gov.College)	27.02.2020
5	Dr.Liji.K	History	Since Sri.V.Kuttiyan retired on 30.04.2015	27.02.2020
6	Dr.Ajesh.A.M	History	Since Dr.P.T.Sebastian retired on 31.03.2017	27.02.2020
7	Mrs.Sharaniya .L.K	History	Since K.K.Sudha retired on 31.05.2018	27.02.2020