

Name	<b>Vincent Roy Khongwir</b>
Department	Physics
Qualification	MSC, NET
Date of joining	1-7-2006
Designation	Associate Professor
Specialization	Spectroscopic Techniques
Research interest	Non-linear dynamics, ratchets, inhomogeneous systems, noise-related net transport
Seminars, workshops, conferences participated/attended	<ol style="list-style-type: none"> <li><b>UGC-sponsored Orientation Programme</b>, Academic Staff College, NEHU, 13<sup>th</sup> FEB - 11<sup>th</sup> MAR, 2012</li> <li><b>Workshop conducted under Faculty Training &amp; Motivation &amp; Adoption of Schools &amp; Colleges</b> by CSIR Labs organized by CSIR-NEIST, Jorhat on 27<sup>th</sup> – 28<sup>th</sup> November 2012.</li> <li><b>Workshop on Reconceptualization of Education and Reconstruction of Pedagogy</b> for 21<sup>st</sup> Century on 16<sup>th</sup> Feb. 2013.</li> <li><b>National Workshop in Particle Physics</b> from 21<sup>st</sup> to 23<sup>rd</sup> March 2013</li> <li><b>UGC-sponsored Refresher Course</b>, Academic Staff College, NEHU, 5<sup>th</sup> JUNE – 25<sup>th</sup> JUNE, 2013</li> <li><b>UGC-sponsored Winter School, Human Resource Development Centre</b>, NEHU, 19<sup>th</sup> MAR – 8<sup>th</sup> APR, 2018</li> <li><b>TEQIP-III sponsored Webinar series on Recent Advances in Physics</b>, NIT Meghalaya, 14<sup>th</sup> – 18<sup>th</sup> SEPT, 2020</li> <li><b>Short Term Course on Combustion, Emission and Power Technology</b>, Centre for Educational Technology CET, IIT, Guwahati, sponsored by MHRD, GOI, 22<sup>nd</sup>- 26<sup>th</sup> FEB, 2021.</li> </ol>
Seminars, workshops, conferences organized	<ol style="list-style-type: none"> <li><b>National Workshop in Particle Physics, 21<sup>st</sup> to 23<sup>rd</sup> March 2013.</b></li> <li><b>Symposium on the Life and Works of Indian Physicists on 3<sup>rd</sup> November 2014</b></li> <li><b>10<sup>th</sup> National Conference of Physics Academy of North East (PANE) November 10-12, 2016</b></li> <li><b>International Conference on Celebrating 100 years of Quantum Mechanics, November 21-22, 2024</b></li> </ol>
Research Publications	<ol style="list-style-type: none"> <li><b>Forced thermal ratchets and stochastic resonance in inhomogeneous underdamped periodic potential system.</b> Vincent R. Khongwir, and D. Kharkongor_ Department of Physics, St. Anthony's College, Shillong-793003, India, May 2018</li> <li><b>Effect of phase synchronization on the deterministic transport of the dimer.</b> Vincent R. Khongwir, Department of Physics, St. Anthony's College, Shillong-793001, India and W. L. Reenbohn, Department of Physics, NIT Meghalaya, Shillong-793003, India, May 2021.</li> <li><b>Modelling deterministic transport of a rigid dimer for separating motor proteins.</b> Vincent R. Khongwir, Department of Physics, St. Anthony's College, Shillong-793001, India and W. L. Reenbohn, Department of Physics, NIT Meghalaya, Shillong-793003, India, June 2021.</li> </ol>