

Department : PHYSICS

Name : Dr SHAIKH NAIMUDDIN

Designation : Reader(SS) in Physics

Academic/ Professional Degrees & Achievements (Awards)

M.Phil/Ph.D Scholars Supervised

Sl. No.	EXAMINATION PASSED	BOARD/UNIVERSITY	PASSOUT YEAR	DIVISION/GRADE	DISTINCTION OBTAINED
1	H.Sc	B S E, Orissa	1983	First	-
2	I.Sc	Utkal University, Bhubaneswar	1985	First	-
3	B.Sc	Utkal University, Bhubaneswar	1987	First	Distinction
4	M.Sc	Utkal University, Bhubaneswar	1989	First	-
5	M.Phil	Utkal University, Bhubaneswar	1991	First	-
6	Ph.D	Utkal University, Bhubaneswar	2011	Awarded	-

Projects (UGC) undertaken

Name of the Project/Title	Sponsoring Agency	Amount approved	Year of Approval	Status	Co-Investigator if any
Minor Research Project – Exclusive nonleptonic $B \rightarrow V$ V decays	UGC(ERO), Kolkata	Rs.90000/-	June, 2006 to June, 2008	Completed	N. Barik, P.C.Dash, S.Kar

Research Publication/ Books/Papers

Sl. No.	Title of the Book/Journal	Name of Journal/ Book	Page No.	Volume No.	Year of Publication	ISBN/ ISSN	Impact Factor /National /International	Field of Specialization
1	Photon Energy spectrum of Ds and D meson decay	Souvenir cum proceeding	14	1	2017	978-93-81693-07-6	National	Theoretical High Energy Physics
2	Branching ratio of	Souvenir	20	1	2016	978-93-	National	Theoretical

	Ds meson decay	cum proceedin g				81692- 07-0		High Energy Physics
3	Renewable Energy as an optional subject in B.Sc course and special subject in MSc(Physics) course in the Universities of Odisha	Souvenir cum proceedin g	10	1	2016	978-93- 81692- 07-0	National	Renewable Energy
4	Nonleptonic decay of $B_c \rightarrow VV$ decays	Physical Review D	094014	88	2013	1550- 799	4.864 - Internatio nal	Theoretical High Energy Physics
5	Nonleptonic two- body B_c meson decays	Physical Review D	094028	86	2012	1550- 799	4.691 - Internatio nal	Theoretical High Energy Physics
6	$B_c \rightarrow P1P2, PV, VP$ in the relativistic independent quark model	Orissa Journal of Physics	19	17	2010	0974- 820	National	Theoretical High Energy Physics
7	Semileptonic decays of the B_c meson	Physical Review D	074005	80	2009	1550- 799	5.0 - Internatio nal	Theoretical High Energy Physics
8	Exclusive nonleptonic $B \rightarrow$ VV decays	Physical Review D	014004	80	2009	1550- 799	5.0 - Internatio nal	Theoretical High Energy Physics
9	Radiative leptonic decay of D_s and D mesons	Int. J. of Mod. Phys. A	2335	24(1 2)	2009	0217- 751	1.0 - Internatio nal	Theoretical High Energy Physics
10	Exclusive nonleptonic $B \rightarrow$ $V V$ decays	Orissa Journal of Physics	17	16	2009	0974- 820	National	Theoretical High Energy Physics
11	Radiative leptonic B_c decay in the relativistic independent quark model	Physical Review D	114030	78	2008	1550- 799	5.050 - Internatio nal	Theoretical High Energy Physics
12	Radiative leptonic decay: $B^- \rightarrow \mu^- \bar{\nu}_\mu \gamma$ in a relativistic independent quark model.	Physical Review D	014038	77	2008	1550- 799	5.050 - Internatio nal	Theoretical High Energy Physics
13	Radiative leptonic decay of B_c mesons in the relativistic independent quark model	Orissa Journal of Physics	10	15	2008	0974- 820	National	Theoretical High Energy Physics
14	Rare radiative decay of the B mesons	Physical Review D	014024	63	2000	1550- 799	5.156 - Internatio nal	Theoretical High Energy Physics

15	Elastic Form Factors and Charge radii of pi and k mesons	Physical Review D	037301	59	1998	1550-799	5.061 - International	Theoretical High Energy Physics
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Proceedings/Journal/Books Published

Sl. No.	Title of the Journal	Publisher	year	Type of Book	Nature of work
1	Souvenir cum Proceeding on Recent Trends in Physics	IRD India ISBN No.978-93-81693-07-6	2017	Research and current physics	Editor-in Chief
2	Souvenir cum proceeding on Recent trends in physics-2016	IRD India ISBN No.978-93-81692-07-0	2016	Research and current Physics	Editor-in Chief

Seminars Attended (National)

Sl. No	Name	Paper/Poster Presented	If Yes, Title of the Paper/Poster	Venue	From	To	Event Level
1	Pricing and Funding Higher Education	Paper presented	Radiative leptonic decay of Bc meson	Prananath College, Khurda & OPS, Orissa	30-03-2003	31-03-2003	National
2	Astrophysics and Cosmology	Participated	-	Rama Devi Women's Autonomous College, Bhubaneswar	05-02-2005	06-02-2005	National
3	Workshop on Physics with home made equipment and innovative experiments	Participated	-	P.G Dept. of Physics, Utkal University, Bhubaneswar	18-08-2005	18-08-2005	National
4	Einstein and 20 th century physics	Paper presented	Radiative leptonic decay of D meson	P.N. Autonomous College, Khurda & OPS, Orissa	11-02-2006	12-02-2006	National
5	Physics Education and research - Challenges ahead	Paper presented	Radiative leptonic decay: $B^- \rightarrow \mu^- \nu_\mu \gamma$	Ispat College, Rourkela & OPS, Odisha	10-02-2007	11-02-2007	National
6	UGC Annual seminar	Invited talk	Elementary particles of matter	Maharishi College of Natural Law, Saheed Nagar,	22-01-2008	23-01-2008	National

				Bhubaneswar			
7	Recent Developments and Prospects of Physics	Paper presented	Decay of B meson	Stewart Science College, Cuttack & OPS, Orissa	02-02-2008	03-02-2008	National
8	Role and relevance of physics in Engineering Education	Paper presented	$B \rightarrow V V$ decays	NIST, Berhampur & OPS, Orissa	14-02-2009	15-02-2009	National
9	Science and Technology and their uses for mankind	Invited talk	Science and Technology and their uses for mankind	Prananath College, Khurda	11-01-2010	12-01-2010	National
10	Global Warming & Clean Energy	Participated	-	North Orissa University, Baripada	13-02-2010	14-02-2010	National
11	Recent trends in Nano science & Technology	Participated	-	Trident Academy of Technology, Bhubaneswar	16-09-2011	17-09-2011	National
12	Nano Science and Technology	Participated	-	U.N.(Auto) College of Science & Technology, Adaspur, Cuttack	11-02-2012	12-02-2012	National
13	Recent developments in electronics	Presented paper	Mobility management using neural technique in cellular network	IEEE-EDS Delhi Chapter	18-01-2013	20-01-2013	National
14	Recent Trends in Laser and Photonics	Participated	-	Ravenshaw University, Cuttack	09-02-2013	10-02-2013	National
15	Regional Science Congress	Presented paper	Innovations in Science & Technology for Inclusive Development	KIIT University, Bhubaneswar & ISCA, Kolkata	27-01-2014	28-01-2014	National
16	UGC Annual Seminar	Invited talk	Journey from biggest to smallest	Christ College, Cuttack	29-01-2014	29-01-2014	National
17	UGC Annual Seminar	Invited talk	Universe to Quarks	Kendrapara Autonomous College, Kendrapara	13-03-2014	13-03-2014	National
18	Green Lighting	Participated	-	KIIT University, Bhubaneswar	31-10-2014	01-11-2014	National

19	Quality management on Higher Education	Participated	-	Ranpur College, Ranpur	01-02-2015	01-02-2015	State
20	Ballistics – A Multidisciplinary Physical Science	Participated	-	F M University, Balasore	14-02-2015	15-02-2015	National
21	Recent trends in Physics	Presented paper	Branching ratio of Ds meson decay	Maharishi College of Natural Law, Bhubaneswar	13-02-2016	14-02-2016	National
22	UGC Annual seminar	Invited talk	Fundamental Particles of matter	Dept of Chemistry, Maharishi College of Natural Law, Bhubaneswar	20-02-2016	20-02-2016	National
23	Recent trends in Nanotechnology	Participated	Nanotechnology - A need of the hour	B J B College, Bhubaneswar	27-10-2016	28-10-2016	State
24	Conference on Optics and Photonics Technology	Participated	Optics and Photonics Technology	NISER, Bhubaneswar	25-11-2016	25-11-2016	National
25	Space Science and Technologies in the service of mankind	Participated	Space science and Technology	Hindol College, Khajuriakata, Dhenkanal	18-12-2016	19-12-2016	National
26	Recent Trends in Physics	Presented Paper	Photon Energy Spectrum of Ds and D meson decay	Maharishi College of Natural Law, Saheed Nagar, Bhubaneswar	08-01-2017	09-01-2017	National
27	Current trends and prospective of physics	Participated	-	Berhampur University, Berhampur	11-02-2017	12-02-2017	National
28	28 th mid-year meeting of Indian Academy of Sciences	Participated	-	Indian Academy of Sciences, Bengaluru	29-06-2017	01-07-2017	National
29	Reaching the unreachable through science and technology	Presented Paper	Solar Energy as a source of Potential Renewable energy	Mangalore University, Mangalore & The Indian Science congress	08-09-2017	09-09-2017	National

				Association, Bangalore Chapter			
30	Blue Whale online games	Participated	-	Commissioner of Police, Bhubaneswar- Cuttack	15-09- 2017	15-09- 2017	National
31	Recent Advances in Physics and its Applications	Participated	-	B J B Autonomous College, Bhubaneswar	10-02- 2018	11-02- 2018	National
32	Annual Seminar	Invited Talk	Elementary Particles	Rajdhani College, Bhubaneswar	16-02- 2018	16-02- 2018	State
33	Workshop in Experimental Physics	Participated	-	Department of Physics, B J B Autonomous College, Bhubaneswar	09-02- 2019	09-02- 2019	National
34	UGC Annual Seminar	Invited Talk	Fundamental Particles of Matter	Maharishi College of Natural Law, Saheed Nagar, Bhubaneswar	25-01- 2020	-	State

Seminars Attended (International)

Sl.No	Name	Paper/ Poster Presented	If Yes, Title of the Paper/Poster	Venue	From	To	Event Level
1	99 th Indian Science Congress, India, Physical Science	Present ed poster	Exclusive nonleptonic $B_c \rightarrow V V$ decays	KIIT University, Bhubaneswar & ISCA, Kolkata	03-01- 2012	07-01- 2012	Intern ational
2	99 th Indian Science Congress, India, Physical Science	Present ed poster	Nonleptonic $B_c \rightarrow PP, PV, V$ P decays	KIIT University, Bhubaneswar & ISCA, Kolkata	03-01- 2012	07-01- 2012	Intern ational
3	Renewables for Development of Rural Areas	Particip ated	-	KIIT University, Bhubaneswar	27-11- 2013	29-11- 2013	Intern ational
4	101 th Indian Science Congress	Particip ated	-	University of Jammu, Jammu	03-02- 2014	07-02- 2014	Intern ational
5	Science and Technology of Free Electron Laser	Particip ated	-	Devi Ahalya University, Indore	04-12- 2014	06-12- 2014	Intern ational
6	Powering National Growth through	Particip ated	-	Solar Energy Society of India, New Delhi	08-12- 2014	09-12- 2014	Intern ational

	Solar						
7	International students' Congress on Recent Innovations in Energy management and Renewable Energy	Presented Paper	Energy management and Renewable Energy	Institute of Engineering and Management, Kolkata, West Bengal	14-09-2019	15-09-2019	International
8	International Congress on Renewable Energy	Presented Paper	Solar Energy- The Pollution free Energy	Guru Nanak Institute of Technology, Kolkata	07-02-2020	08-02-2020	International

Seminars Organised(National/International)

Sl.No.	Title of Seminar	Sponsoring Agency	Venue	Year	National/ International	Nature of Assignment
1	Recent Trends in Physics	UGC, New Delhi & Institute of Physics, Bhubaneswar	Institute of Physics & Maharishi College of Natural Law, Saheed Nagar, Bhubaneswar	2017	National	Convenor
2	Recent Trends in Physics- 2016	Orissa Physical Society, Bhubaneswar & Maharishi College of Natural Law, Bhubaneswar.	Maharishi College of Natural Law, Saheed Nagar, Bhubaneswar	2016	National	Convenor

Member of Organisations

Sl. No.	Type of membership	Name of Organisation
1	Member, Governing Council (2019-2022)	Solar Energy Society of India, New Delhi
2	Life member	Solar Energy Society of India, New Delhi
3	Patron Member	Orissa Physical Society, Bhubaneswar, Odisha
4	Life Member	The Indian Science Congress Association, Kolkata

Research Guide

Recognised research guide in Physics discipline of Utkal University, Bhubaneswar, Odisha vide order No.Ex-VII/Ph.D/RRG/E-16471/Dated 20.11.2014 of Controller of Examination, Utkal University, Vani Vihar, Bhubaneswar.

Training Details

YEAR	TYPE	UNIV/INSTITUTE NAME	FROM DATE	TO DATE	DURATION
1992	CLASS Project-Orientation	NCERT, New Delhi &Utkal University, Bhubaneswar	04-05-1992	23-05-1992	20 days
1998	Physics through Experiments – Orientation	IAPT New Delhi &Ravenshaw College, Cuttack	23-03-1998	28-03-1998	6 days
1998	Orientation	UGC Academic Staff College, JamiaMilliaIslamiah, New Delhi	14-04-1998	12-05-1998	29 days
1999	Refresher Course in Physics	UGC Academic Staff College, Aligarh Muslim University,Aligarh,UP	15-02-1999	13-03-1999	28 days
2002	SERC Preparatory School in Theoretical High Energy Physics	DST, New Delhi &Utkal University, Bhubaneswar	21-01-2002	09-02-2002	20 days
2002	SERC Main School in Theoretical High Energy Physics	DST, New Delhi &Institute of Physics, Bhubaneswar	11-02-2002	02-03-2002	20 days
2003	Refresher course in Physics	DAE, India &Institute of Physics, Bhubaneswar	09-06-2003	21-06-2003	13 days
2011	Refresher course in Physics	UGC Academic Staff College, Utkal University, Bhubaneswar	04-03-2011	24-03-2011	21 days
2011	Staff Development Programme	Recent trends in Medical Imaging using VLSI	19-12-2011	31-12-2011	13 days
2012	Refresher Course in Experimental Physics	Three Science Academies' of India &SOA University, Bhubaneswar	15-05-2012	30-05-2012	16 days
2013	Refresher course in Quantum mechanics	Three science Academies' of India & St. Berchmans College, Changanacherry, Kerala	01-05-2013	14-05-2013	14 days
2013	Refresher	Three science	28-11-2013	12-12-2013	15 days

	Course in Quantum Mechanics	Academies' of India & IIT, Roorkee			
2014	Refresher Course on Computer Application	UGC Academic Staff College, Utkal University, Bhubaneswar	13-02-2014	05-03-2014	21 days
2017	Refresher Course in Experimental Physics	Three science Academies' of India & Indian Academy of Science, Bangalore	10-03-2017	25-03-2017	16 days
2019	Academic training Programme on "CBCS Course Syllabus in Physics"	WB-OHEPEE sponsored Academic Training Programme & Utkal University, Bhubaneswar	13-11-2019	19-11-2019	07 days

(N.B- Type should be one among Orientation , Refresher , Sp.Training , As a resource person)

Study Leave

Type of Study leave	Period	Place of research	Guide/Co-guide	Subject
UGC study leave under Faculty Development Programme(FDP) of 10 th plan period.	16.03.2005 to 15.03.2008	P G Department of Physics, Utkal University, Vani Vihar, Bhubaneswar.	Prof. Niranjana Barik, Dr Purendra Charan Dash	Theoretical High Energy Physics