



Affiliation : ASSISTANT PROFESSOR
Name : ROHIT SANDAL
Date of Birth : 01/09/1982
Department Name : Department of Physics, GC Hamirpur
Subject Name : Physics
Field of Specialization -Experimental Nuclear Physics
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Educational Qualifications :

S.N	Examination	Univ/Board	Main Subject	Year of Passing	Marks /CGPA Obtained	Max Marks	% Of Marks	Roll No	Class/Division/Grade	Merit/Prizes/Medals won if any
1	Matric	HPBSE	Sci,Math,Eng,Hindi	1997	592	700	85.00	365248	First	22th in HP Board
2	10+2/Inter/HSC	HPBSE	Physics,Math, Chem	1999	303	400	76.00	735243	First	49th in HP Board
3	Graduation BSc	HPU	Physics,Math,Chem	2002	1265	1700	74.00	30570	First	
4	Post Graduation Msc	PU,Chandigarh	Physics	2004	1426	2000	71.00	9986	First	

Others, if any

S.N	Examination	Univ/Board	Main Subject	Year of Passing	Marks /CGPA Obtained	Max Marks	% Of Marks	Roll No	Class/Division/Grade	Merit/Prizes/Medals won if any
1	BEd	HPU	Edu,ET,Env	2005	714	1100	65	12143	First	

Research Degrees :

S.N	Degree	Title of Dissertation / Thesis	Subject	% of Marks Awarded/CGPA/ Grade	Date of Registration	Date of Award	Name of University
1	Ph.D	Neutron Multiplicity Measurements as a probe of nuclear viscosity and fusion-fission dynamics	Experimental Nuclear Physics		20/01/2009	21/10/2013	Panjab University Chandigarh

Others, if any

S.N	Name of the Degree	Title	Name of Supervisor	Date of Registration	Date of Award	University
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Details of JRF / NET / SLET / SET / GATE :

S.N	Details of JRF/NET/SLET/SET/GATE	State	Qualifying Year	Subject	Certificate Number
1	NET		2006	Physics	10-2(5//2006(i)-E.U.II

Research Publication(Published Papers in Referred/Journals notified by UGC)

S.N	Title of Paper	Journal Type	ISSN No.	Volume No.	Year Of Publications	Page No.
1	Probing nuclear dissipation via evaporation residue excitation functions for the $16;18\text{O} + 198\text{Pt}$ reactions	Peer-reviewed	2469-9993	91	2015	044621
2	Effect of N/Z in pre-scission neutron multiplicity for $16,18\text{O} + 194;198\text{Pt}$ systems	Peer-reviewed	2469-9993	87	2013	014604
3	Measurements and coupled reaction channels analysis of one- and two-proton transfer reactions for the $28\text{Si} + 90;94\text{Zr}$ systems	Peer-reviewed	2469-9993	85	2012	034606
4	Multinucleon transfer reactions for the $28\text{Si} + 90;94\text{Zr}$ systems in the region below and near the Coulomb barrier	Peer-reviewed	2469-9993	83	2011	054607
5	Channel coupling effects on the fusion excitation functions for $28\text{Si}+90;94\text{Zr}$ in sub- and near-barrier regions	Peer-reviewed	2469-9993	81	2010	044610
6	Conclusive evidence of quasifission in reactions forming the 210Rn compound Nucleus	Peer-reviewed	2469-9993	81	2010	054608
7	Role of nuclear dissipation and entrance channel mass asymmetry in pre-scission neutron multiplicity enhancement in fusion-fission reactions	Peer-reviewed	2469-9993	78	2008	024609
8	Anomalous deviations from statistical evaporation spectra for the decay of the 73Br and 77Rb compound systems	Peer-reviewed	2469-9993	89	2014	034621
9	Determination of shell correction energies at saddle point using pre-scission neutron multiplicities	Peer-reviewed	0375-9474	913	2013	157
10	Study of fission fragment mass distribution for $16\text{O} + 194\text{Pt}$ reaction	Peer-reviewed	0375-9474	834	2010	208
11	Fusion measurements for the $18\text{O}+194\text{Pt}$ reaction and search for neutron shell closure effects	Peer-reviewed	0954-3899	42	2015	095105

Other Research Publications/Chapter in Books

S.N	Title	ISSN No./ ISBN No.	Volume No/Name of Publisher	Year Of Publications	Page No.
1	Effect of fissility in fission time scales for 16;18O+194;198Pt systems	978-0-7354-1147	1524	2013	167
2	Effect of N/Z in pre-scission neutron multiplicity for 16;18O + 194;198Pt systems	978-2-7598-1175-5	66	2014	03006
3	Fission fragment mass distributions at high excitation energies for 16;18O + 194;198Pt systems		54	2009	350
4	Probing dissipation effects via evaporation residue excitation function for the 16;18O + 198Pt reactions		58	2013	528
5	Evaporation residue excitation function measurement for the 16;18O + 198Pt Reactions		57	2012	532
6	Measurement of the Fission Cross Sections for the 16;18O + 194;198Pt Systems		57	2012	534
7	Role of N/Z in the pre-scission neutron multiplicity for the 16;18O+194;198Pt systems		55	2010	318
8	Neutron Multiplicity and mass distribution measurements to understand the fusion fission dynamics for the system 16O+194Pt		53	2008	369

Teaching/Post Doctoral Experience(details in chronological order, starting with first job)

Total Teaching Experience : 14 Year(s) 1 Month(s)

S. N	Name & Address Employer/ Institution	Address of Employer/ Inst.	Teaching Exp.	Nature Of Appointment	Date of Joining	Date of Leaving	Designation	Basic Pay (p.m)	Grade Pay	Pay Scale	Reason For Leaving
1	GC GHUMARWIN	Principal GC Ghumarwin Bilaspur HP	UG	Contract	16/12/2009	30/06/2015	Assistant Prof	21600	6000	15600-39100	
2	GC GHUMARWIN	Principal GC Ghumarwin Bilaspur HP	UG	Regular	01/07/2015	12/07/2016	Assistant Prof	21600	6000	15600-39100	Transfer
3	GC Bhoranj	Principal GC Bhoranj Hamirpur		Regular	13/07/2016	30/01/2020	Assistant Prof	24320	6000	15600-39100	

Orientation Programme, Refresher Course, Research Methodology Workshop, Faculty Development Programme, etc attended:-

S.N	Name	Organising Agency	From	To	Sponsoring Agency	Remarks
1	Orientation Programme	HRDC PUNJABI UNI PATIYALA	03/01/2018	31/01/2018	UGC	
2	Refresher Course	HRDC JNU Delhi	15/07/2019	26/07/2019	UGC	

Seminars/Conference/Workshop/Symposiums :

S.N	Select	Type	National	International
1	Participated	Paper Contributor		AIP Conf 1524,109(2013)
2	Participated	Paper Contributor		J Phy: conf 312,082027 (2011)
3	Participated	Paper Contributor		Int Nuclear Symp 54,84 (2009)
4	Participated	Paper Contributor		Nuclear Phy Symp 54,272 (2009)
5	Participated	Paper Contributor		Nuclear Phy Symp 54,274 (2009)
6	Participated	Paper Contributor		Nuclear Physics Symp 54,344 (2009)