

Government Dungar College, Bikaner

Faculty Profile

1. Name: **Dr. Ravindra Mangal**
2. Department: **Physics**
3. Designation: **Associate Professor**
4. Qualifications: **Ph. D., M. Phil.**
5. Institute and place of Post Graduation Qualification : **University of Jodhpur, Jodhpur**
6. Teaching Experience: UG: **35 Years**, PG: **31 Years** & Research: **24Years**
7. Home Town and State: **Jodhpur, Rajasthan**
8. Details of research scholars:



S.NO	NAME OF SCHOLAR	TITLE OF THESIS	DATE & YR OF REGISTRATION	YEAR OF AWARD
1	Gireesh Pal Singh	Study of Thermophysical and Mechanical Properties of Fiber Reinforced Composites of Capparis Decidua(Ker) of Western Rajasthan		2009
2	Manoj Shekhawat	Study of phase transformation, Thermal and Mechanical Properties of selected natural clay (china and ball) and ceramic materials (fuller)		2010
3	Shiv Kumar Tak	Optimization of Thermophysical and Mechanical Properties by blending of Ceramic raw materials in Bikaner for Electrical Porcelain		2011
4	Jai Shankar Purohit	Effect of Natural Phenomenon like Sand/Dust Storm, Rain and Desert Foliage on Propagation of Millimeter Waves in the Thar Desert in West Rajasthan		2009
5	Navneeta Day	Study of Thermophysical Properties of Phenol Formaldehyde Reinforced with Fibers of Calotropis Gigantea (Safad Aak)		2011
6	Akash Saxena	Weblog Mining using Modified K Means Clustering Algorithm		2012
7	Akshay Joshi	Investigation on Thermophysical and Mechanical Properties of Novel Composites Prepared from Zizipus Numeria	01-05-2015	Pursuing

9. Details of research papers in the Journals notified on UGC website during the last five years:

Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISBN/ISS N number
Microstructure Study For Optimization Of Dielectric Property Of Electrical Porcelain	S.K.Tak, M.S. Shekhawat, R.Mangal		American Institute of Physics	2010 CP 1249	

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Comparative Study of Thermomechanical Properties of Indigenous Blended Clay and Clay of Ukraine	M. S. Shekhawat, S. K. Tak, R. Mangal, A. K. Gupta.		American Institute of Physics	2010 CP 1249	
Effect of Particle Size Distribution on Physical property of Electrical Porcelain	S. K. Tak, M. S. Shekhawat, and R. Mangal.		Proceedings of the 54 th DAE	2009	
The transient plane source technique to measure thermal conductivity of clays of Bikaner region	M S Shekhawat, S K Tak and R Mangal,		International Journal of Modern Physics	2013	
Electrical property of conventionally sintered ZnO	S K Tak, M S Shekhawat, and R Mangal		International Journal of Modern Physics	2013	
TGA-DTA and chemical composition study of raw material of Bikaner region for electrical porcelain	S. K. Tak, M. S. Shekhawat, and R. Mangal		AIP Conf. Proc. 1536, 645	2013	

10. Books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years:

Name of teacher	Title of paper	Title of book /title of book published self authored /conference proceedings	Name of publisher national/international	ISBN/ ISSN	Year of publication
Ravindra Mangal		Bhotic vigyan class XI First paper	Madhymic Shiksha Board Raj. Board of Sec. Edu. Rajasthan		
Ravindra Mangal		निर्देश तंत्र, यांत्रिकी तथा दोलन	Himanshu Publication, Udaipur	978-81-7906-521-1	2015
Ravindra Mangal		गणीतिय पृष्ठभूमि, द्रव्य के गुण धर्म तथा विद्युत चु. तरंग	Himanshu Publication, Udaipur	978-81-7906-522-8	2015
Ravindra Mangal		स्थिर विद्युतिकी धारा विद्युत तथा चुम्बकत्व	Himanshu Publication, Udaipur		2011
Ravindra Mangal		प्रायोगिक भौतिकी	Himanshu Publication, Udaipur	978-81-7906-275-3	2011
Ravindra Mangal		सांख्यिकी, भौतिकी एवं उष्मागतिकी	Himanshu Publication, Udaipur	978-81-7906-158-2	2017

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Ravindra Mangal		अणुगति सिद्धान्त, तरंगे एवं ध्वनिकी	Himanshu Publication, Udaipur	978-81-7906-159-0	2015
Ravindra Mangal		क्वांटम यांत्रिकी, परमाणवीय तथा आणविक भौतिकी	Himanshu Publication, Udaipur	978-81-7906-524-2	2015
Ravindra Mangal		नाभिकीय एवं ठोस अवस्था भौतिकी	Himanshu Publication, Udaipur	978-81-7906-457-3	2015

11. Convener of College Committees / any other committee constituted for a specific event during the Last Five Years.

1. Head, Department of Physics
2. Chief Election Officer, Govt. Dungar College, Bikaner
3. Chairman, Board of Studies, Physics, Maharaja Ganga Singh University, Bikaner
4. Member, Academic Council, Maharaja Ganga Singh University, Bikaner
5. Convener, Committee for UGC Affairs
6. Convener, Committee for RUSA Affairs
7. Convener, Practical Examinations Committee
8. Convener, College Time Table Committee etc.

12. Any other achievement or extension activity/workshop/seminar conducted/organized.

1. Recipient of First ever **Sikshak Samman, 2018** Award in Higher Education by State Govt. of Rajasthan for outstanding contribution as **Teacher for Students, Institution, Research Work and Social Cause**, the only Teacher from Bikaner Division.
2. **Represented College Education, Rajasthan in International Educational Festival** held first time in India at Jaipur 5-7 August 2017.
3. Participated in EduHack 4 by the department of IT, Govt. of Rajasthan and won consolation prize. and EduHack 5 and **Awarded by Hon. C. M. of Rajasthan 2018**
4. Participated in EduHack 5 by the department of IT, Govt. of Rajasthan and won Third prize and **Awarded by Hon. C. M. of Rajasthan 2018.**
5. Presently Engaged In Interdisciplinary Research For Developing **ECO-FRIENDLY COMPOSITES** and for **ECONOMIC DEVELOPMENT** of the region as well as environmentally friendly product with special reference to green chemistry.
6. Active and Founder member of **BIKANER INTER-DISCIPLINARY RESEARCH CONSORTIUM (BIRC).**
7. Engaged In **PHYSICS LEARNING PROGRAMME** & inculcating **Scientific Temper** in the society especially among Children using novel technique **“LEARNING BY DOING”**. So far about 10,000 STUDENTS are the part of this project.

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8. Started “**KALAM LEARNING CENTER**” in the college along with other faculty Members of the college.
9. Social work in spreading Physics Subject along with **Sushila Keshav Sansthan** among girls especially of disadvantage section of the society.
10. Member of various State Level Committees For Starting new Universities/ New faculty in the University, inspection of Universities, 7th Pay Commission committee for State Funded Universities for Non academic officers of the Universities.
11. Active member and Co-Coordinator of PTET (A State level competitive exam for B. Ed. Course)
12. Expert for **Kishor Vegyanik Protsahan Yojana** conducted by IISc, Bangalore at IIT, Jodhpur
13. Resource person for various Seminars/Scientific temper development activities at various Instotutes/Organisations.

