

◀ CURRICULUM VITAE ▶

DR. DALVEER KAUR
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Name of the Post applied for : Assistant Professor
Name of the Branch : Electronics and Communication
Engineering

Objective

Seeking a position to utilize my analytical research, technical skills and abilities that offers professional growth while being resourceful, innovative, flexible and enables me to make a positive contribution to the organization.

Educational Qualification **Masters** : M.Tech. (Microelectronics)
University Gold Medalist
Doctorate : Ph.D. (Complex Microwave Electronic
Ceramics)

Field of Specialization : Microelectronics. Microwave
dielectric materials, Ferroelectrics

Research Experience : 5 years during Ph.D.

Research areas of interest : Electroceramics, Multiferroics,
Semiconductors

Personnel Details:

Name : Dr. Dalveer Kaur
Father's Name : S.Harbhajan Singh
Mother's Name : Mrs.Rajinder Kaur
DOB : 5th Aug.1977
Address for Correspondence : Block-F, Flat No. 101, Silver Palm
Appartments, Chopra Nagar,
Kapurthala Road, Jalandhar, Punjab,
INDIA.

Nationality : Indian
Marital status : Married

Overall Academic Performance from Matriculation onwards:

Class	Institute/Univ.	Board	Year of Passing	% of marks
Matric	Sri Guru Harkrishan Public School, Amritsar.	C.B.S.E.	1993	73.2
3Yrs.Regular Diploma in Electronics	J.R.Govt.Polytechnic, Hoshiarpur.	P.S.B.E.I.T.	1996	70.47
1 Yr. Regular Diploma in Computer Applications	Aptech Computer Education, Hoshiarpur	Aptech	1998	86.2
A.M.I.E. (Electronics and Telecom.)	Institute of Engineers (India), Kolkata.	IIE	2001	61.6
M.Tech. (Microelectronics)	Guru Nanak Dev University, Amritsar.	GNDU	2003	75.3
Ph.D. Complex Microwave Electronic Ceramics)	Guru Nanak Dev University, Amritsar, Punjab.	GNDU	2010	

Projects undertaken

- 1) 250W Audio power system (in Diploma)
- 2) SMPS (Switched mode power supply) in computers (in AMIE)
- 3) Determination of Bulk and interface charges in MOS devices using C-V techniques (in M.Tech.)

Computer Abilities : Computers Basics, C, C++, MATLAB, VHDL

Present Job Profile : Assistant Professor ECE (Permanent),
Department of Academics, PTU, Jalandhar,
Panjab, India.

Duration : 3 years 10 months

Date of Joining : 30/07/2010

Short Term Courses: : 05

Publications:

International/National Journals:

- 1) *Synthesis and Characterization of $Ba_{6-3x}Sm_{8+2x}Ti_{18}O_{54}$ Microwave Dielectric Ceramics*, Ceramics International, 2006.
- 2) *Processing, Dielectric behaviour and Conductivity of some complex Tungsten Bronze Dielectric Ceramics*, Journal of Ceramics Processing Research, 2006.
- 3) *Dielectric Properties of Lanthanum substituted Barium Titanate Microwave Ceramics*, Materials Letters, 2007.
- 4) *Synthesis and Structural Investigations of Complex $Ba_{6-3x}Re_{8+2x}Ti_{18}O_{54}$ with $Re = Sm, Nd$ and Gd Tungsten Bronze Compounds*, Journal of Ceramics Processing Research, 2007.
- 5) *Synthesis and Microwave characterization of Bi-substituted Barium Lanthanum titanate*, Journal of ceramics processing research, 2007.
- 6) *Structural and Microwave Dielectric Properties of $Ba_{6-3x}Gd_{8+2x}Ti_{18}O_{54}$ solid-solutions*, Journal of Ceramic processing research, 2009.
- 7) *Dielectric Temperature characteristics of Samarium doped Barium titanate ceramics*, International Journal of Material Science, 2009.
- 8) *Dielectric investigations of lanthanides ($Ln = Sm, Nd$ and Gd) doped barium titanate microwave ceramics*, Integrated Ferroelectrics, 2009 (in Press).
- 9) *Dielectric anomaly in La modified Barium titanates*, Ferroelectrics, 2009 (in Press).
- 10) *Dielectric behavior of lanthanides ($Ln = Sm, Nd$ and Gd) substituted barium titanate ceramics at microwave frequencies*, Pramana, 2009.
- 11) *Abnormal temperature behavior of dielectric parameters of $BaO-Gd_2O_3-TiO_3$ system* Inverties Journal of Science and Technology, 2009 (in Press).
- 12) *Temperature dependent dielectric behavior of neodymium substituted barium titanate ceramics*, International Journal of Material Science, 2009 (in Press).
- 13) *Temperature dependent dielectric behavior of neodymium substituted barium titanate ceramic compounds*. Ferroelectrics, 393, 2009 (in Press).

National and international Conferences/Symposium:

- 1) *Study of Complex Microwave Electro ceramics in GHz regime*, Punjab Science Congress, GNDU, Amritsar, 2004.
- 2) *New Tungsten Bronze-Type Dielectric Compounds $Ba_{6-3x}R_{8+2x}Ti_{18}O_{54}$ for Microwave Electronic Devices*, Electronics circuits and systems conference, Patiala, 2005.
- 3) *High Dielectric Constant Rare Earth doped Barium Titanate Microwave Ceramics*, Abstract accepted for PIERS (Proceedings of Electromagnetics Research), California, 2005.
- 4) *Dielectric Characterization of Barium-Lanthanum-Titanate microwave ceramics*, NSAE (National Symposium on Advanced Electroceramics), Pune, 2006.
- 5) *Dielectric Properties of Barium-Neodymium-Titanate compounds at microwave frequencies*. International Journal Conference of Electrical, Electronics and Computers, Trivundrum, India.
- 6) *Influence of internal strain on dielectric properties of Lanthanum substituted Barium titanate dielectrics*. International Conference on Electroceramics. University of Delhi, New Delhi, India.

Papers Communicated:

- Impact of longer sintering time on dielectric behavior of $Ba_{6-3x}La_{8+2x}Ti_{18}O_{54}$ compounds to Journal of Material Science, Poland.
- Sintering time effects on structure and dielectric behavior of Barium lanthanide titanates to Journal of Physics and chemistry of Solids.
- Abnormal temperature dependent dielectric behavior of lanthanum substituted barium titanate ceramics to Egyptian Journal of Solids.
- Structural investigations of $Ba_{6-3x}Ln_{8+2x}Ti_{18}O_{54}$ Ln (Nd and Gd) microwave ceramic compounds to Bulletin of Materials Science (Indian).

AWARDS

Awarded the University Gold Medal for distinction in M.Tech. at GNDU annual Convocation, 2003. Did diploma in honors and was also third in State Board of Technical Edu.

I hereby declare that the particulars given herein are true and complete to the best of my knowledge and belief.

DALVEER KAUR