RESUME

1. Name:	Prof. (Dr.) Jasbir Singh Hundal
2. Designation:	REGISTRAR,
	MAHARAJA RANJIT SINGH
	PUNJAB TECHNICAL UNIVERSITY,
	BATHINDA - 151001
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3. Academic Qualification with special area of specialization:

Degree	Year	University	Area of Specialization
Master of Science	1986	Guru Nanak Dev University,	Physics
		Amritsar	
Master of Philosophy	1988	Guru Nanak Dev University,	Physics
		Amritsar	
Doctor of Philosophy	1998	Indian Institute of Technology,	Ferroelectric Polymers
		Roorkee	
Post Doctoral Research	2001	Pennsylvania State University,	Electro active Polymers
Followship		University Park, PA (USA)	

4. Experience (Teaching, Research & Administration): Above 26 yrs

5. Awards & Honours: Individual and Institutional

- EDUPRENEURS AWARD 2013 for contribution to Engineering Education in India by Engineering Watch Magazine, New Delhi (selection panel Consisted of Vice Chancellors of 5 State Universities)
- BEST PUNJAB GOVT. TECHNICAL INSTITUTE awarded to Giani Zail Singh Punjab Technical University Campus, Bathinda in CMAI National Punjab Education Award 2013 by Hon'ble Sh. Madan Mohan Mittal, Cabinet Minister of Technical Education & Industrial Training, Punjab on 15-11-2013.
- **3. BEST ARCHITECTURE COLLEGE** of the year awarded to Department of Architecture, awarded to Giani Zail Singh Punjab Technical University Campus, Bathinda by PTU on 16-01-2014.
- 4. CAMPUS PREPAREDNESS AWARD 2015 awarded to Giani Zail Singh PTU Campus, Bathinda for meeting out the goals & challenges of Institutional Advancement amidst Emerging Global Trends in Higher Education by Campus Management in association with Engineering Watch on 24-03-2015.
- 5. OUTSTANDING INSTITUTION AWARD awarded to Giani Zail Singh Campus College of Engg. & Technology, Bathinda presented by NITTTR, Chandigarh for having adjudged as one of the outstanding engineering Colleges in the Northern Region for the years 2014-15 on the occasion of Annual Day of the Institute on 07-09-2015.

6. Administrative Experience

S.N.	Position held / being held	Vide Ref. No.	Duration
1.	Member, Board of Studies in Applied Sciences,	3349/Constituent	14.05.1991 to
	Punjabi University, Patiala	Date 14.05.1991	06.05.1993
2.	Member, Board of Studies in Applied Sciences,	Annex-II	01.07.2001 to
	Punjab Technical University, Jalandhar		30.06.2003
3.	Assistant Warden and Warden, Boys Hostel No. 2,	GEC/16	31.10.1990 to
	GZS College of Engg. and Technology, Bathinda	Date 31.10.1990	30.11.1992
4	Warden, Boys Hostel No. 3 GZS College of Engg.	8033	04.09.1998 to
	and Technology, Bathinda	Date 03.09.1998	20.09.2000
5.	Warden, Boys Hostel No. 4 GZS College of Engg.		21.09.2000 to
	and Technology, Bathinda		23.01.2001
6.	President Sports	13675	12.02.2001 to
	GZS College of Engg. and Technology, Bathinda	Date 12.02.2002	23.01.2003
7.	Coordinator, Department of Applied Sciences	3886 - 3904	24.08.2004 to
	GZS College of Engg. and Technology, Bathinda	Date 23.08.2004	21.02.2005
8.	Dean/ Coordinator, Academics Affairs	10088-10121	17.01.2006 to
	GZS College of Engg. and Technology, Bathinda	Date 19.01.2006	17.06.2008
9.	Professor and Head, Department of Applied Sciences	5031-5062	30.05.2008 to
		Date 29.05.2008	30.12.2008
10.	Deputy Director, Research and Development, Baba	BFVS/408-409	01.12.2008 to
	Farid Group of Institutions, Bathinda	Date 11.06.2008	11.04.2011
11.	Director-Principal, Baba Farid College of	BFVS/408-409	01.12.2008 to
	Engineering and Technology, Bathinda	Date 11.06.2008	11.04.2011
12.*	Campus Director, Giani Zail Singh Punjab Technical	DTE/1795/ECC/2011	10.09.2011
	University Campus, Bathinda	Date 09.09.2011	to 11-05-2016
			(FN)
13.	Director, Punjab Institute of Technology, Nandgarh	PTU/REG/Estb/126	17.10.2011 to
	(Bathinda)	date 17.10.2011	14.07.2015
14.	Member, Board of Directors, Punjab State Technical	PSB/DA/Gen/5150	21.10.2011 to
	Education and Industrial Trg. Pb., Chandigarh	Date 01.11.2011	11.05.2016
15.	Member, Advisory Committee, Punjab Technical	PTU/RIC/4792/34373	16.03.2012 to
	University Jalandhar (Proposal for XII plan	date 16.03.2012	till date
	Development Assistance of UGC)		
16.	Member, Board of Governors, MIMIT, Malout	37/283/98-2TE-2/726	06.03.2013 to
1.5		Date 06.03.2013	11.05.2016
17.	Member, Finance Committee, MIMIT, Malout	5 //283/98-2TE-2//26	06.03.2013 to
10			11.05.2016
18.	Niember, Academic Council, Punjab Technical	r = U/KEU/NOTIFICATION /240 Date 21 02 2012	21.05.2013 to
10	University Jalandnar Mombor Common Bossonsh Deeree Committee	$\frac{7240}{DTU} Daic 21.03.2013$	11.03.2010
19.	(PDC) in the discipling of Applied Science of	$\frac{\Gamma I U/RIU/PIID/9/2}{Date 06.06.2012}$	00.00.2013 l0
	(Drugics) DTU Jalandhar	Date 00.00.2013	un date
20	Member Academic Council Guru Nanak Dev	24/956	05 07 2013 to
20	Engineering College Ludbiana	Date 05 07 2013	till date
21	Member Industry Institute Interaction Placement	BCFT/3864	07 10 2013 to
<i>L</i> 1	Committee (TEOIP-II) Beant College of Engg &	date- 07 10 2013	18 07 2015
	Commune (11), Deant Conege of Lingg.	unte 07.10.2013	10.07.2012

	Tech., Gurdaspur		
22.*	Chairman, Board of Studies, Applied Physics	PTU/Reg/BOS/Notific	25.06.2014 to
	&Material Science/Nano Science & Technology,	ation/305	01.01.2016
	IKG PTU Jalandhar	Date 25.06.2014	
23.*	Member, Financial Investment Advisory Committee,	CUP/CC/Ac/2014-	07.04.2015 to
	Central University of Punjab, Bathinda	15/912	till date
24.*	Member, Board of Governors, Maharaja Ranjit Singh	13/4/2015-2TE2/491910	25.05.2015 to
	Punjab Technical University, Bathinda	Date 25.05.2015	till date
25.*	Officiating Registrar, Maharaja Ranjit Singh Punjab	MRSSTU/197	25.06.2015
	Technical University, Bathinda	Date 25.06.2015	to 15.04.2016
26.*	Registrar, Maharaja Ranjit Singh Punjab Technical	MRSSTU/2701 dated	15.04.2016
	University, Bathinda	15-04-2016	to till date

* University level Experience.

7. **RESEARCH PUBLICATIONS (List attached)**

1.	International Journals	-	Published=27, Accepted=03, Comm.=01
2.	International Conference	-	15
3.	National Conference	-	12

8. Quality Improvement Programme Centre of All India Council for Technical Education, New Delhi.

The campus has become the first Government Engineering College in the state to get the approval for setting up a Quality Improvement Programme (QIP) centre by the All India Council for Technical Education (AICTE New Delhi) for starting Ph.D. programme (10 seats) in 5 Engineering disciplines.

9. Technical Education Quality Improvement Programme (Phase-II) Project of MHRD, Govt. of India (World Bank Sponsored).

With the efforts of Department of Technical Education & Ind. Trg., Pb. the campus has been selected to avail the financial assistance worth Rs. 10.00 Crore under Technical Education Improvement Programme (TEQIP-Phase II) for overall uplifting of the campus.

UG/PG Course	2011-12	2012-13	2013-14	2014-15	2015-16
UG	450	550	610	610	610
PG (Regular)	18	429	429	429	429
PG (Part Time)	150	200	200	200	200
Total	618	1179	1239	1239	1239

10. Increased intake in UG/PG Courses.

11. Financial Improvement: Year Wise Income Statements

Year	2011-12	2012-13	2013-14	2014-15	2015-16
Income	Rs. 15.61Crore	Rs. 18.45 Crore	Rs. 22.03 Crore	Rs. 27.75 Crore	Rs. 28.57 Crore

12. Infrastructure Addition in Campus.

Year	Lecture	Drawing	Faculty	Labs	Hostels	Conference	Seminar
	Halls	Halls	Cabins			Hall	Halls
2011	10	07	12#	02#	04 (boys)+ 01(girls)	Nil	02
2013	32	08			05** (Boys) + 02	01#	06
					(Girls)		

* Effectively utilized the available infrastructure: Out of these 22 lecture halls that has been added, only 8 were newly constructed and 14 were added by alterations in existing building, thereby optimally using available space within the campus.

**** Effectively utilized the available infrastructure**: Converted 35 unutilized D-Type and vacant C-Type Houses into independent Post Graduate Boys' Hostel having capacity to accommodate 250 students. The hostel has independent Mess and Common Room Facility.

A. Major Infrastructure Projects:

- 1. Post Graduate lecture Hall Block (Cost Rs. 120.88 Lakh).
- 2. Girls Hostel: (Cost Rs. 483.54 Lakh).
- 3. Students' Centre(Cost Rs. 467.67 Lakh).
- 4. Boys' Hostel: (Cost Rs. 1378.26 Lakh).

B. Minor Infrastructure Projects:

- 1. Porch of Academic Block (Cost Rs. 61.40 Lakh)
- 2. Silver Jubilee Gate of the Campus on Dabwali Road (Cost Rs.57.78 Lakh).
- 3. Roads re-metaled first time in last 24 years (Cost Rs. 87.85 Lakh).
- 4. Campus boundary wall raised by 3 feet (Cost Rs. 28.87 Lakh).
- 5. Water Sprinkler system installed to irrigate the Athletic Track and Foot ball ground

13. Other State / University level Administrative Responsibilities

- 1. Member, Board of Directors, Punjab State Board of Technical Education and Industrial Training, Punjab.
- 2. Member, Board of Governors, Malout Institute of Management and Information Technology, Malout.
- 3. Member, Academic Council, Punjab Technical University, Jalandhar.
- Facilitated Construction of School for Meritorious Students on the premises of Giani Zail Singh – Punjab Technical University Campus, Bathinda by sparing and helping in not only transfer of 10 acre land but also by providing water and sewerage connection from existing facilities within campus.
- 5. Member, Board of Governors, Maharaja Ranjit Singh State Technical University, Bathinda.

14. Faculty Development Initiative in the Institute: The following National Conferences/ Faculty Developments programmes held during my tenure:

S.N.	From	То	Name	Sponsored by
01	15-03-2012	16-03-2012	"Innovative Challenges in Civil Engineering (ECCE-2012)"	CSIR, New Delhi, Geo Media, Bathinda and PTU Jalandhar)
02	13-04-2012	14-04-2012	"Global Upcomings in Environment, Science & Technology-2012 (GUEST'12)"	DST, AICTE, DRDO, BRNS-BARC, CSIR, PTU Jalandhar
03	14-02-2013	15-02-2013	"Futuristic and Emerging Areas in Technology: Issue and Challenges-2013 (FEAT-2013)"	PTU Jalandhar
04	10-11-2013	11-11-2013	"Advancements in Sustainable Practices (ASPIRE-2013)"	TEQIP-II
05	13-02-2014	14-02-2014	Latest Developments in Materials. Manufacturing & Quality Control (MMQC-2014)	TEQIP-II
06	09-12-2014	10-12-2014	"Upcoming Trends in Computer Science and Engineering (UTCSE- 2014)	TEQIP-II
07	19-02-2015	20-02-2015	Latest Developments in Materials. Manufacturing & Quality Control (MMQC-2015)	TEQIP-II
08	17-04-2015		Technological and Chemical Innovations in Molecular imaging – Paving Way to Personalised Health Care	Giani Zail Singh-PTU Campus, Bathinda.
09	12-02-2016	13-02-2016	Latest Developments in Materials. Manufacturing & Quality Control (MMQC-2016)	TEQIP-II

(i) National Conferences (09):

15. Short Term Courses/FDPs (11):

S.N.	From	То	Name	Sponsored by
01	12-12-2011	16-12-2011	GIS Application in Engineering &	PTU Jalandhar
02	16-01-2012	20-01-2012	Climate changes and Disaster Management	MHRD Govt. of India, collaboration with NITTTR, Chandigarh
03	16-04-2012	20-04-2012	Short Term Course on "Research Methodology"	MHRD Govt. of India, collaboration with NITTTR, Chandigarh
04	28-05-2012	01-06-2012	Total Quality Management NBA Accreditation in Technical Institution	MHRD Govt. of India, collaboration with NITTTR, Chandigarh
05	02-07-2012	13-07-2012	Sustainable Development-Issues and latest Development	MHRD Govt. of India, collaboration with NITTTR, Chandigarh
06	03-06-2013	07-06-2013	Induction Training Programme through ICT	MHRD Govt. of India, collaboration with NITTTR, Chandigarh
07	15-07-2013	19-07-2013	Energy Sources and Computational	TEQIP-II

			Techniques in Electrical Engineering	
08	22-07-2013	27-07-2013	ICT based Short Term on Disaster Management	MHRD Govt. of India, collaboration with NITTTR, Chandigarh
09	02-12-2013	06-12-2013	Recent Trends in Materials Manufacturing and Safety	TEQIP-II
10	08-11-2013	10-11-2013	Management Development Programme on Academic Leadership	TEQIP-II
11	06-01-2014	11-01-2014	Management Development Programme on Academic Leadership	TEQIP-II

16. Student and Faculty Training Collaboration Programme For Students Training

- 1. Dongkuk University, South Korea through Punjab Technical University.
- 2. Inha University, Seoul, South Korea (Under Process)
- 3. Myongji University, Seoul, South Korea (under process)

For Faculty Training

- 1. Indian Institute of Management, Kozhikode (Kerala)
- 2. National Institute of Technical Teachers Training and Research, Chandigarh

17. Other Projects in Pipe-line

1 Services Selection Board Training Centre for Students

We intend to start a training Centre for training students for Services Selection Board (SSB), so that more students can Join Armed Forces (Army, Air Force and Navy), Para-military Services. This endeavor would provide better job opportunity for students especially NCC cadets and also Govt. of India to address the problem of shortage of officers in these forces. The necessary approvals from Finance Committee and Board of Governors, of the Campus have already been obtained.

2. Physical fitness Centres for students, staff and Faculty

The state of art Physical Fitness Centres for separately for Boys and Girls Students planned to be established on the campus premises. The facility could be extended to staff and faculty on higher payment basis. The necessary approvals from Finance Committee and Board of Governors, of the Campus have already been obtained.

18. List of Research Publications:

Refereed International Journals

1) Jasbir S. Hundal and R. Nath,, "Investigations of Charge Storage Properties in Corona poled Poly(styrene- co- acrylonitrile) Copolymer Films", J. Polym. Mater., vol 14, pp 43-48, 1997.

(cited: 1 times)

 Jasbir S. Hundal and R. Nath," Correlatio of Piezoelectric Effect and Thermally Stimulated Current in the stretched Poly(styrene –co- acrylonitrile) Films" IEEE Trans. Dielect. Elect. Insul., vol. 4, pp. 747-750, 1997.

(cited: 2 times)

3) Jasbir S. Hundal and Tara Kaura, "Rectifying Properties of Doped poly(vinyl alcohol)", Int. J. Electronics, vol. 84(2), 117-122, 1998.

- 4) Jasbir S. Hundal and R. Nath,, "Piezoelectric effect and Stored polarization in Corona Charged ABS Films, "J. Physics D: Appl. Phys, vol. 31, 482-487, 1998.
- 5) Jasbir S. Hundal and R. Nath, "Piezoelectric and polarization Studies in the Unstretched SAN Films", J. Mater. Sci., vol. 34, pp. 5397-5401, 1999.
- 6) Jasbir S. Hundal and R. Nath, "Bending Piezoelectricity in SAN and ABS copolymer Films", IEEE Trans. Dielect. Elect. Insul., vol. 8, pp 714-717, 2001.
- Z. Y Cheng, Dana Olson, Haisheng Xu, Feng Xia, J. S. Hundal, Q. M. Zhang, Fred B.Batman, G. J. Kavamos and T. Ramotowski, "Structure Changes and Transitional Behaviour Studied from both Micro- and Macroscales in the High-Energy Electron Irradiated Poly(vinylidene fluoridetrifluoroethylene) Copolymer", Macromolecules, vol. 35, pp. 664-672, 2002. (cited: 37 times)
- 8) Jasbir S. Hundal and Navneet Dabra, "Preparation and Characterization of Amorphous Cadmium-Selenium Ribbons", J. Non-Cryst. Materials, Vol. 353, pp. 2328-2332, 2007.
- 9) Navneet Dabra, Jasbir S. Hundal, K.C Sekhar, Arvind Nautiyal and R Nath "Ferroelectric Phase Stability Studies in Spray Deposited KNO₃: PVA Composite Films" Journal of American Ceramic Society, Vol. 92 (4), pp. 834-838, 2009. Impact factor: 2.43

(cited: 8 times)

 10) Navneet Dabra, Jasbir S Hundal, K.C.Sekhar, Arvind Nautiyal, and R.Nath, "Preparation and Characterization of the Ferroelectric Potassium Nitrate:Poly(vinyl alcohol) Composite Films" IEEE Trans. on Ultrasonics, Ferroelectric, and Frequency Control, Vol. 56, No. 8, p. 1627-1633,2009. (ISSN: 0885-3010, Impact factor: 1.65)

(cited: 6 times)

- 11) Navneet Dabra, Jasbir S. Hundal, "Polarization Switching Behavior of Ferroelectric (NH₄)_{0.39}K_{0.61}NO₃ Films" J. Adv. Mater. Res., Vols. 93-94, p. 49-58, 2010. (ISSN: 1662-8985).
- 12) Arvind Nautiyal, K.C. Sekhar, N.P Pathak, R. Nath, Navneet Dabra, and Jasbir S Hundal, "Polarization Switching Properties of Spray Deposited CsNO₃: PVA Composite Films" J. Applied Physics A: Mater. Sci. & Pro., (DOI 10.1007/s00339-010-5699-, dated 29th April, 2010, ISSN: 0947-8396 (Print) 1432-0630 (Online), Impact factor: 1.857).

(cited: 3 times)

- 13) Navneet Dabra, Jasbir S Hundal, K.C. Sekhar, Arvind Nautiyal, and R.Nath, "Analysis of Ferroelectric Polarization Switching in (NH₄)_{0.39}K_{0.61}NO₃ (NKN) Films using Nucleation Limited Switching Model" J. Applied Physics, 2010 (ISSN: 0021-8979 (print), 1089-7550 (online), Impact factor: 2.316).
 - (cited: 4 times)
- 14) Arvind Nautiyal, Navneet Dabra, K.C. Sekhar, Jasbir S Hundal, N.P Pathak and R. Nath, "Switching Kinetics in Cesium Nitrate: Poly (vinyl alcohol) composite film", Ferroelectric Letters Section, Vol. 38, p 1-7, 2011.
- 15) Annapu Reddy.V' K. C. Sekhar, Navneet Dabra, A. Nautiyal, J.S. Hundal, N.P Pathak and R. Nath, "Study of Ferroelectric and Magnetic Properties of Hot-Pressed BiFeO₃-PVDF Composite Films", ISNR Materials Science Volume 2011, Article ID 142968, 5 pages doi:10.5402/2011/142968, ISSN: 2090-6080.
- 16) Arvind Nautiyal, Navneet Dabra, N. P. Pathak, J. S. Hundal and R. Nath, "Modelling of Multilayer Ferroelectric – Polymer Composite Film Based Suspended Microstrip Line and Its Discontinuities" INT. J. NEW. INN., Vol. 1, Issue 3, p 386-395, 2012, ISSN : 2277-4459.
- 17) N. Dabra, J. S. Hundal, D. Y Jeong, B. Kaur, A. Nautiyal, V. Annapu Reddy and R. Nath, "Evaluation of Structural and Ferroelectric Properties in Spray Deposited (NH₄)_{0.39}K_{0.61}NO₃: PVA Composite Films" Mater. Focus, Vol. 2, p. 454-460, 201, ISSN: 2169-429X (Print) EISSN: 2169-4303 (Online) Pub. Date: December 1, 2013.
- 18) N. Kumar, N. Dabra, J. S. Hundal & R. Nath, "Bias Dependent Current-Voltage (I-V) Characteristics of Ferroelectric Potassium Nitrate: Poly (vinyl fluoride) Composite Films"

Ferroelectric Letter Section, Vol. 40 (4-6), p. 108-113, 2013, ISSN: 0731-5171 (print), 1563-5228 (online), Pub. online: Nov. 5, 2013

- 19) V. Annapu Reddy, N. Dabra, J. S. Hundal, N. P. Pathak and R. Nath, "Tunability in Three-Component Ba_{0.5}Sr_{0.5}TiO₃-Graphite- Poly (Vinylidene Fluoride) Nano-Composite Films" Science of Advanced Materials, Vol. 6, No. 2, p. 235-242, 2014, ISSN: 1947-2935 (Print); EISSN: 1947-2943 (Online) Impact Factor : 2.509, Publication date: February 1, 2014.
- 20) N. Kumar, N. Dabra, J. S. Hundal and R. Nath, "Thermal effects on the electrical properties of Potassium Nitrate: Polyvinyl Alcohol Composite Films" The Optoelectronics and Advanced Materials-Research Communication, Vol. 8, No. 7-8, p. 804 809, July August 2014, ISSN: 2065-3824, 1842-6573. Impact Factor : 0.449 (2013) Publication date: July 1st, 2014.
- 21) V. Annapu Reddy, N. Dabra, J. S. Hundal, N. P. Pathak and R. Nath, "Enhancement of Multiferroic Properties in Nano-Heterostructured Multilayer Bi_{0.9}La_{0.1}Fe_{0.9}Mn_{0.1}O₃ BiFeO₃ Zn_{0.91}Cr_{0.09}O Thin Films" Science of Advanced Materials , Vol. 6, No. 6, p. 1228-1235, 2014, ISSN: 1947-2935 (Print); EISSN: 1947-2943 (Online) Impact Factor : 2.509, Publication date: June 1st, 2014
- 22) J. Lee, S. Lee, Min-Geun Choi, Im-Jun No, J. Ryu, N. Dabra, J. S. Hundal and D. Y. Jeong, "Synthesis and Photoluminescence Properties of Hydrothermally grown ZnO Nanowires on Aerosol Deposited AZO Seed Layer" Ceramic International, Vol. 40, No. 7, Part B, p. 10693–10698, 2014, ISSN: 0272-8842, Impact Factor: 2.09.
- 23) V. Annapu Reddy, N. Dabra, J. S. Hundal, N. P. Pathak and R. Nath, "Structural and Multiferroic Characteristics of Nano-composite Ba_{0.5}Sr_{0.5}TiO₃ -Bi_{0.9}La_{0.1}Fe_{0.9}Mn_{0.1}O₃ Thin Film Heterostructures" Science of Advanced Materials, Vol. 6, No. 5, p. 1043-1051, 2014, ISSN: 1947-2935 (Print); EISSN: 1947-2943 (Online) Impact Factor : 2.509
- 24) L. Singh Dev, U. Verma, V. Annapureddy, L. Singh, N. Dabra, J. S. Hundal, and R. Nath, "Structural and Ferroelectric Studies on KNO₃: PEO Nano-composite Films" Journal of Nanoelectronics and Optoelectronics Vol. 9 (3), p. 397-400, 2014, ISSN: 1555-130X (Print): EISSN: 1555-1318 (Online).
- 25) A. Nautiyal, N. Dabra, J. S. Hundal, N. P. Pathak, and R. Nath, "Investigation on structural and ferroelectric properties of spray deposited Cs_{1-x}K_xNO₃: PVA composite films" IEEE Dielectric and Electrical Insulation Vol. 22, Issue 1, pp. 251-256, 2015, ISSN : 1070-9878, Impact Factor : 1.228.
- 26) V. Annapu Reddy, N. Dabra, K. K. Ashish, J. S. Hundal, N. P. Pathak and R. Nath, "Multiferroic Properties in Nanostructured Multilayered Magnetic Semiconductor Bi_{0.9}La_{0.1}Fe_{0.9}Co_{0.1}O₃-BiFeO₃ Thin Films" Advanced Materials Letters, Vol. 6, Issue 8, 678-683, 2015, Impact Factor: 1.93, ISSN: 0976-3961, eISSN: 0976-397X.
- 27) N. Mishra, <u>Navneet Dabra*</u>, A. Nautiyal, J. S. Hundal, G. D. Varma, N. P. Pathak, and R. Nath, "Ferroelectric and Switching Properties of Spray Deposited NaNO₂: PVA Composite Films on Porous Silicon" Ferroelectric Letter Section , Vol. 42, Issue 4-6, p. 75-86, 2015 DOI: 10.1080/07315171.2015.1068502 ISSN: 0731-5171 (print), 1563-5228 (online)
- 28) L. Singh, B. Kaur, T. Garg, Navneet Dabra, <u>J. S. Hundal</u> "Effect of Annealing Conditions on the Ferroelectric response of NaNO₂: PVA nano-Composite Films fabricated at elevated temperature" International journal of Surface Engineering and Materials Technology, Vol. 6, No.2, 2016 (Accepted),
- 29) L. Singh, B. Kaur, N. Kumar, Dae-Yong Jeong, Navneet Dabra, and J. S. Hundal, "Structural Analysis of enhanced Ferroelectricity in Nano-Composite Films of Sodium Nitrite in poly-Vinyl Alcohol matrix fabricated at moderate elevated Temperature" International Journal of Electrochemical Sciences 2016, ISSN 1452-398, Impact factor: 1.500 (Accepted)

- 30) B. Kaur, L. Singh, V. Annapu Reddy, Dae-Yong Jeong, Navneet Dabra, and J. S. Hundal, "AC Impedance Spectroscopy, Conductivity and Optical Studies of Sr doped Bismuth Ferrite Nanocomposites" International Journal of Electrochemical Sciences 2016, ISSN 1452-398, Impact factor: 1.500 (Accepted)
- 31) B. Kaur, L. Singh, V. Annapu Reddy, Dae-Yong Jeong, <u>Navneet Dabra</u>,^{*} and J. S. Hundal, "Study of A-site divalent doping on multiferroic properties of BFO nanoparticles processed via combustion method" Advanced Materials Letters 2016, Impact Factor : 1.93, ISSN : 0976-3961, eISSN : 0976-397X (Communicated)

International Conferences

- Jasbir S. Hundal and R. Nath, "Piezoelectric and polarization Studies in the Unstretched SAN Films", Presented at 5th IUMRS International Conference in Asia 98 held at Indian Institute of Science, Bangalore, Oct 13th -16th, 1998.
- 2) Jasbir S. Hundal and R. Nath, "Ferroelectric Studies in Stretched and Corona Charged SAN films", Proc. 10th International Symposium on Electrets, Delphi, Greece, Sept 22-24, 1999.
- **3)** Z. Y. Cheng, T. B. Xu, R. W. Cui, **J. S. Hundal** and Q. M. Zhang, "Device Fabrication and Performance of Electrostrictive P(VDF-TrFE) Based Actuators and Transducers", Presented at 2001 Materials Research Society Fall Meeting, Boston, Massachusetts, Nov 26-30, 2001.
- 4) Q. M. Zhang, Z.Y. Cheng, Haisheng Xu, Dana Olson, T. B. Xu and J. S. Hundal, "Relaxor Ferroelectric Polymers" Presented at 10th International Meeting on Ferroelectricity, Madrid, Spain, Sept 3-7, 2001.
- 5) Jasbir S. Hundal and Navneet Dabra "Investigations on Structure, Electrical and Thermal Properties of Melt-Quenched Cadmium based Chalcogenide Metallic Glass Ribbons" Presented at Materials Congress 2006 helhd in London from 5th to 7th April, 2006.
- 6) Navneet Dabra, Jasbir S Hundal, K.C.Sekhar, Arvind Nautiyal, and R.Nath, "Investigation of improved ferroelectric properties in potassium nitrate: polyvinyl alcohol composite films prepared by spray technique", in the 20th International Symposium on Integrated Ferroelectrics, in Singapore, June 9-12, 2008.
- K.C.Sekhar, Arvind Nautiyal, R.Nath, Navneet Dabra and Jasbir S Hundal, "Study of domain switching mechanism in ferroelectric sodium nitrite film", in the 20th International Symposium on Integrated Ferroelectrics, in Singapore, June 9-12, 2008.
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