Curriculum-Vitae

SANDEEP SINGH

Mobile: 09814729258 ~ **E- Mail:** sbisht402357@gmail.com

WORK EXPERIENCE

From 24 July2017 to till date work as an Asst. Professor in DAV college sec-10 Chandigarh

From 16 July2016 to 12Apr 2017 work as an Asst. Professor in DAV college sec-10 Chandigarh

From 15 July2015 to 15 March 2016 work as an Asst. Professor in DAV college sec-10 Chandigarh

From 21 July2014 to 21Jan 2015 work as an Asst. Professor in DAV college sec-10 Chandigarh

From 22 July2013 to 28 Feb 2014 work as an Asst. Professor in DAV college sec-10 Chandigarh

From 23 July2012 to 9 march 2013 work as an Asst. Professor in DAV college sec-10 Chandigarh

From 29 July 2011 to 16 march 2012 work as an Asst. Prof. in DAV college sec-10 Chandigarh

From 26 July 2010 to 14 July 2011 work as a lecturer in SSIET Derra Bassi, Punjab

From 10 Oct 2009 to 10 March 2010 work as a guest Lecturer in PGCG-11 Chandigarh

From 26 May 2006 to 26 May 2007 work as a teacher in Rose Public School

SCHOLASTICS

2019 Ph. D. From NIT Uttarakhand on title Analytical and Numerical Studies of Modified Polarization Saturation Models in Piezoelectric Media (Mathematics, Numerical Analysis , Computational Mechanics, Fracture Mechanics)
2015 (Jan-June) Pre Ph.D. Course work With 8.75 CGPA.
2009   M. Sc. (Mathematics) Education from Panjab University, Chandigarh
2006   B.A. from Panjab University, Chandigarh.
2003   HSC from Uttaranchal School Education Board, Nainital.
2001   SSC from Uttar Pradesh School Education Board, Allahabad.

IT SKILLS: Well versed with Office Automation & Internet Application. Basic knowledge of C, C++, MATLAB and MATHEMATICA

Journal Publication Details

⇨ Sandeep Singh, Kuldeep Sharma, Tinh Quoc Bui," Closed-form solutions for modified polarization saturated models in two unequal collinear cracked piezoelectric media considering coalesced interior zones" European Journal of Mechanics-A/Solids (2021).

⇨ Snadeep Singh, K. Sharma," Riemann–Hilbert approach-based analytical solutions for strip saturated two unequal collinear cracks in piezoelectric media" Strength, Fracture and Complexity (2021).

⇨ Snadeep Singh, K. Sharma, RR Bhargava," New analytical solutions of modified polarization saturation models in piezoelectric materials", Meccanica **(SCI)**.

⇨ Snadeep Singh, K. Sharma, RR Bhargava," Analytical solution for two equal collinear modified strip saturated cracks in 2-D semipermeable piezoelectric media", ZAMM **(SCI)**.

⇨ Snadeep Singh, K. Sharma, RR Bhargava," Modified strip saturated models for two equal collinear cracks with coalesced zones in piezoelectric media" , Accepted for publication in **Appl Mathematics Mechanics (SCIE, I.F. 1.530)**.

⇨ Snadeep Singh, K. Sharma, RR Bhargava," Complex variable approach to study the modified polarization saturation model in 2-D semi permeable piezoelectric media" , Appl. Math. Mech. -Engl. Ed., 38(11), 1517–1532 (2017) **(SCIE, I.F. 1.530)**.

⇨ K. Sharma, T.Q. Bui, Sandeep Singh, "Numerical distributed dislocation modeling of multiple cracks in piezoelectric media considering different crack-face boundary conditions and finite size effects", published in Strength, Fracture and Complexity (2017) .

⇨ Snadeep Singh, K. Sharma, RR Bhargava," Complex variable approach to study two-equal-collinear semi-permeable interface cracks in 2-D Piezoelectric bimaterials ", published in **Proceedings of 60ᵗʰ Congress of ISTAM**.

⇨ Snadeep Singh, K. Sharma, RR Bhargava ,"Numerical Studies of Semi-permeable Inclined Crack in 2-D Finite Piezoelectric Media using Distributed Dislocation Method", **Mathematical Sciences International Research Journal (ISSN 2278-8697) on March 2015.**

⇨ Sandeep Singh, " Optimal Equi-scaled Families of Ostrowski's Method System of Nonlinear Equations", **IJAORT (ISSN 2278-7763) on Feb 2013**

⇨ Sandeep Singh, "Extension of Otolorin's Scheme to a System Of Nonlinear Equations with Singular Jacobian ", **IJSER (ISSN 2229-5518) on Feb 2013.**

⇨ Sandeep Singh, "Ostrowski's Fourth Order Method System Of Nonlinear Equations", **IJCR(ISSN:0975-833X) on July 2013.**

⇨ Sandeep Singh**, "**System Of Nonlinear Equations with Singular Jacobian**" , IJIRSET (ISSN: 2319-8753) on July2013.**

⇨ Sandeep Singh**, "**Jarratt Second order Method System Of Nonlinear Equations with Singular Jacobian**" , IJIRSET (ISSN: 2319-8753)   on Spt. 2013.**

⇨ Sandeep Singh, " Optimal Equi-scaled Families of Jarratt Method System of Nonlinear Equations", **IOSR-JM (e-ISSN: 2278-3008, P-ISSN: 2319-7676) on nom-Dec 2013.**

⇨ One book (system of non-linear equation and mat lab) published on March 2014 in LAP LAMBERT Academic Publishing.

CONFERNECES PUBLICATION

⇨ Sandeep Singh, K. Sharma,," Complex variable solution for mode-III quadratically varying PS model in piezoelectric media" IOP Conference Series: Materials Science and Engineering 2021.

⇨ K. Sharma, Sandeep Singh," Numerical Studies for Generalized Modified Polarization Saturation (PS) Model in Piezoelectric Media" Recent Advances in Computational Mechanics and Simulations 2021 (Springer publication).

⇨ Sandeep Singh, K. Sharma,," Complex variable solution for mode-III linearly varying polarization saturation model in piezoelectric media'' AIP Conference Proceedings 2020.

⇨ K. Sharma, Sandeep Singh," Numerical studies of some modified polarization saturation models in 2-D semipermeable piezoelectric media using distributed method " , **Proceedings of the International Conference on Advances in Computational Mechanics 2017 (** Springer publication) **.**

⇨ I have presented a paper (Mathematical Modelling of Modified Non- linear fracture model in 2-D Piezoelectric Media using Complex Variable Technique) **in ICCMS-2017 held in Banasthali University, India Rajasthan on 24-26 Jan 2017.**

⇨ I have presented a paper (Numerical Simulation of Multiple Cracks in Piezoelectric media by the distributed dislocation method) **in Panjab University, Chandigarh on 5-9, Dec-2016.**

⇨ I have presented a paper (Complex variable approach to study two-equal-collinear semi-permeable interface cracks in 2-D Piezoelectric bimaterials) in 60th **ISTAM Congress held in MNIT Jaipur on 16-19 Dec-2015.**

⇨ I have presented a paper (Numerical Studies of Semi-permeable Inclined Crack in 2-D Finite Piezoelectric Media using Distributed Dislocation Method) in **ICMAS2015 held in Khalsa College Patiala on 19-21 March 2015.**

⇨ 16th Punjab Science congress, I Poster entitled (Ostrowski's Fourth Order Method System Of Nonlinear Equations) on 7-9, Feb, 2013 at Baba Farid Unversity of Health Science, Faridikot .

⇨ Two days national conference on Algebra, Analysis and Their Application, I presented a research paper (A System of nonlinear equations with singular Jacobian) on 18-19, August, 2012 at Govt. MAM College, Jammu.

ACADEMIC HONOR AND SCHOLARSHIPS

⇨ **Best paper presentation award (icmas2015)**

⇨ Cleared UGC-**JRF, with all India Rank 230.**

⇨ **Stood Second in M.sc (IInd) and Overall Third in M.sc(Mathematics) , in SGGSC, sec 26**

⇨ **Stood First (Consecutively for three years)** in Mathematics during graduation. GC, sec46

⇨ **Stood Second** in Hindi Final year and Second Year; GC, Sec. 46.

⇨ **Stood First** in Economics in final year Graduation; GC, Sec 46.

EXTRA CRCULUM ACTIVITES

⇨ Attended five day workshop on "Design Thanking for Innovation Products " at NITUK, Uttarakhand

⇨ Attended one day workshop on "English Essay Writing" at GC, 46 ,Chandigarh

- ⇨ Two days workshop on ANAUM-2010 on 13-14, November, 2010 at Chitkara

- ⇨ I have attended NSS camps held on DAV college sector 10, Chandigarh with C certificate .

- ⇨ I was in the organising team of INSPER Program held on 2 Jan 2014 to 6 Jan 2014 in DAV College.

- ⇨ Member of College Discipline Committee

- ⇨ Routine College Work

- ⇨ Participated in functions programme of college.

PERSONAL DOSSIER

Name	:	Sandeep Singh
Address	:	Flat No: 87B, Sigma City Extension , Zirakpur (PB)
Father's Name	:	Sh. Jagmohan Singh
Mother's Name	:	Smt. Dugga Devi
Date of Birth	:	08-09-1985
Marital Status	:	Married
Languages Known	:	Punjabi, English & Hindi
Nationality	:	Indian