

CURRICULUM VITAE

Name : **Dr. Chandrashekhar Shalik Sutar**
(M. Sc., Ph. D.)

Designation : ASSISTANT PROFESSOR

Department : MATHEMATICS & STATISTICS

Contact Number/s : (O) +912565-229576
(M) 8698466090



Email : sutarchandu@gmail.com//cssutar@psgvpasc.ac.in

Area of Specialization : Applied Mathematics

Research Area : Thermoelasticity, Integral Transforms, Differential Transforms, Bioheat Transfer.

Address (Residential) : PLOT NO. 24, MANGUSHETH NAGAR, DONGARGAON ROAD, SHAHADA, DIST-NANDURBAR(M.S.)

➤ ACADEMIC QUALIFICATION

Exam Passed	Board/University	Subject/Specialization	Year	Division/Grade Merit etc.
Basic Qualification				
Ph. D. (Mathematics)	NMU, Jalgaon	Mathematics	February-2015	-
M. Sc. (Mathematics)	NMU, Jalgaon	Mathematics	January-2008	First Class (61.55%)
B. Sc. (Mathematics)	NMU, Jalgaon	Mathematics	June-2005	First Class with Distinction (81.83%)
HSC	Nasik	Science (PCBM)	February-2002	First Class (61.83%)
SSC	Nasik	-	March-2000	First Class (70.80%)

➤ COMPUTER/ SOFTWARE LITERACY:

- * M.S.C.I.T.
- * LATEX
- * SCILAB
- * PYTHON
- * MATHEMATICA

➤ **ACADEMIC AND RESEARCH PROFILE**

- Google Scholar: [chandrashekhar sutar - Google Scholar](#)
- ORCID: <https://orcid.org/0000-0003-2287-0261>
- Scopus Author ID: [Sutar, Chandrashekhar S. - Author details - Scopus Preview](#)

➤ **Citation Profile (Google Scholer)**

	All	Since 2017
Citations	20	15
h-Index	2	2
i10-Index	1	0

➤ **Research Experience and Training**

Research Stage	Title of Thesis/ No. of Students Working	University
Recognized Ph. D. Guide in Mathematics Subject	Working: 04 Completed: 00 Thesis Submitted: 02	KBC NMU, Jalgaon

➤ **List of student working for their Ph.D**

1. Mrs. Kamini Kiran Chaudhari - Reg. No.: KBCNMU/11/Ph.D./Math./679/2018 : Thesis submitted
2. Ms. Sangita Baburao Pimpare- Reg. No.: KBCNMU/11/Ph.D./Math./680/2018 : Thesis Submitted
3. Mr. Sandip Namdeo Patil - Reg. No.: KBCNMU/11/Ph.D./Math./681/2018: Ongoing
4. Mrs. Madhuri Dilip Sonje - Reg. No.: KBCNMU/11/Ph.D./Math./729/2020: Ongoing

➤ **Publications**

A) Research Article:

- 15) Sangita B. Pimpare and **C.S.Sutar** (2022) : Hollow Cylinder With Thermoelastic Modelling By Reduced Differential Transform, Journal of Indonesian Mathematical Society, Vol. 28, No. 01 pp. 8–18.
- 14) Sangita B.Pimpare, **C.S.Sutar** and Kamini K. Chaudhari (2022): An analytical approach of heat transfer modelling with thermal stresses in circular plate by means of Gaussian heat source and stress function, Phys.Scr. 97, 015205.
- 13) **C.S.Sutar** and S. N. Patil (2021) : Effect of Thermal Stresses and Reduced Differential Transform on Bending of the Rectangular Plate, Journal of Indonesian Mathematical Society, Vol. 27, No. 02 pp. 199-211.
- 12) **C.S. Sutar** and K.K. Chaudhari (2021): Reduced differential transform for thermal stress analysis under 2-d hyperbolic heat conduction model with laser heat source.The journal of the Korean Society for Industrial and Applied Mathematics(J-KSIAM), ISSN:1226-9433, Vol. 25, pp 54-65.

- 11) K.K. Chaudhari and **C.S. Sutar** (2021): Reduced differential transform method for thermoelastic problem in hyperbolic heat conduction domain. Int. J. of Applied Mechanics and Engineering, ISSN:2353-9003, Vol.26, pp 76- 81.
- 10) K.K. Chaudhari and **C.S. Sutar** (2021): Effect of convection boundary condition on hyperbolic heat conduction in thermoelastic medium. J. Math. Comput. Sci., ISSN:1927-5307, Vol. 11, pp 392-413.
- 9) K.K. Chaudhari and **C.S. Sutar** (2019): Thermoelastic modelling of rectangular plate under the Hyperbolic heat conduction with an internal heat source. International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), ISSN (P): 2249–6890; ISSN (E): 2249–8001, Vol. 9, pp 859–872.
- 8) K.K. Chaudhari and **C.S. Sutar** (2019): Thermoelastic response of a rectangular plate under Hyperbolic heat conduction model in differential transform domain. International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Vol. 9, pp 692-699
- 7) K.K. Chaudhari and **C.S. Sutar** (2016), Outcomes of Thermal Stresses Concerning by Internal Moving Point Heat Source in Rectangular Plate, International Journal of Innovations in Engineering and Technology (IJIET), ISSN: 2319 – 1058, Volume 7 Issue 3 October 2016.
- 6) Yogita M. Ahire, Dr. Kirtiwant Ghadle and **Chandrashekhar Sutar** (2016), Application Of Integral Transform Technique In Determination Of Thermal Stresses With Internal Moving Heat Source, IJATES, ISSN-2348-7550. VOL-4, Issue-3.
- 5) **C.S. Sutar** and B. R. Ahirrao (2013), Solution of Inverse Thermoelastic Problem of Heat Conduction for Rectangular Plate with the Effect of Partially Distributed Heat Supply and Internal Heat Generation, International Journal of Mathematical Sciences and Engineering Applications, ISSN 0973-9424.
- 4) **C.S. Sutar** (2013), Effect of Partially Distributed heat supply on an Inverse Thermoelastic Problem of Heat Conduction in an Annular Disc Due to Internal Heat Generation, IOSR-Journal of mathematics, e-ISSN 2278-5728, p-ISSN 2319-765X, Volume 8, issue-2, pp-29-34.
- 3) **C.S. Sutar** and B. R. Ahirrao (2013), Solution of Inverse Thermoelastic Problem of Hollow Cylinder with Internal Heat Generation by Using Integral Transforms, International Journal of Engineering Research and Technology (IJERT), ISSN 2278-0181, Volume 2, issue -8.
- 2) **C.S. Sutar**, B. R. Ahirrao and N.W. Khobragade (2013), Solution of an Inverse Thermoelastic Problem of Heat Conduction with Internal Heat Generation in an Annular Disc International Journal of Mathematics Research, ISSN 0976-5840, Volume 5, Number 2, pp. 257-264.
- 1) **C.S. Sutar**, B. R. Ahirrao and N.W. Khobragade (2012), An inverse thermoelastic problem of heat conduction with internal heat generation for the rectangular plate, Canadian Journal on Science and Engineering Mathematics Vol. 3 No. 5, July 2012.

B) Presentation of papers in Conferences:

Sr. No.	Title of Paper	Level	Place	Period
1	The reaction of reduced differential transform on thermal stresses in two dimensional rectangular plate	International (online)	Rajampet (AP)	07-09 August 2020
2	Response of thermoelastic deflection in simply supported rectangular plate under hyperbolic heat transport model	National	PSGVPM's A.S.C. College Shahada	21-22 February 2020
3	Bending of rectangular plate by using differential transform method	International	IIT Kharagpur	22-25 November 2019

4	Action of internal moving of rectangular plate under the hyperbolic heat conduction model with an internal heat source	International	Suryamaninagar, Tripura	16-18 July 2019
5	Analytical Study of Thermal Stresses with respect to Internal moving point Heat Source in a Plate of Rectangular Shape	International	SMVDU JAMMU	27-30 Nov 2018
6	Cryptographical Modelling for network Security by using Integral Transform	National	NMU, Jalgaon	13-14 Jan 2018
7	Analytical Approach to thermal stresses regarding internal moving point heat source in rectangular plate	International	Dr.Babasaheb Ambedkar Marathwada University, Aurangabad	9-11 Dec 2017
8	Series Solution of Thermal Stresses about Internal Moving Heat Source by Integral Transform in Rectangular Plate	National	NMIMS Shirpur	18 Feb 2017
9	Application of Integral transform Technique in Determination of Thermal stresses with Internal Moving point heat source	International	NGSPMS COE, Nashik	23rd March 2016
10	Effect of Integral Transforms on Thermal Stresses of a Thin Rectangular Plate with Internal Moving Point Heat Source	National	NMU, Jalgaon	Jan 29-30, 2016
11	Effect of Partially Distributed Heat Supply on Thermal Stresses of Hollow Cylinder with Internal Heat Generation by Using Integral Transforms	State	Jamner	Dec 16-17, 2013
2	Solution of Inverse Thermoelastic Problem of Heat Conduction with Internal Heat Source for Rectangular Plate by integral transforms	International	MIT Alandi, Pune	June 06-07, 2013
1	An Inverse Thermoelastic Problem of Heat Conduction With Internal Heat Generation Due To Partially Distributed Heat Supply For Rectangular Plate	National	Nagpur	Dec 28-31, 2012

C) Workshops:

Sr. No.	Title	Level	Place	Period
1	FYBSC Mathematics Syllabus Restructuring W/S-2018	University	RCPASC, Shirpur	24-April-2018
2	Innovation, Invention & Patents	National	DNPCOE, Shahada	14-16 Sep-2018
3	Syllabus framing for SYBSC Mathematics	University	VNASC, Shahada	14-March-2019
4	Orientation Programme	National	HRDC DAV Indore	01-21 May 2019
5	Workshop on Research Guides	University	SPDM ASC Shirpur	07-February-2020
6	Restructuring W/S for TYBSC Mathematics	University	P.O.Nahata College, Bhusawal	06-March-2020
7	Managing online classes and co-creating Moocs : Online	National	Teach.Learn.Centre, Ramanujan College, Delhi	20-April to 06-May-2020
8	Latex-Online	National	Spoken Tutorial, IIT Bombay	08-May-2020
9	Scilab-Online	National	Spoken Tutorial, IIT Bombay	08-May-2020
10	FDP on Overcoming the challenges in Adapting online tech in teaching learning-Online	National	JIT, Nagpur	06 -11 May-2020

11	Mathematical sciences for CSIR-NET/SET/GATE-Online	National	Sree Narayana Guru College, Coimbatore	11 -15 May-2020
12	Online FDP on GIMP	National	Willingdon College, Sangli (Spoken Tutorial IIT Bombay)	23-29 May-2020
13	Online FDP on Geogebra	National	Willingdon College, Sangli (Spoken Tutorial IIT Bombay)	23-29 May-2020
14	Online FDP on PYTHON	National	SVKM, Dhule (Spoken Tutorial IIT Bombay)	01-07 June-2020
15	Online FDP on recent research direction in Mathematics	National	Kongu Engg College, Erode	09-12 June-2020
16	Refresher Course-Online	National	HRDC PUP, Punjab	16-28 Nov-2020

➤ **Membership of Professional Bodies**

- Life Member: Indian Mathematical Society

➤ **Conferences/Workshops organized/Member:**

1. Member-Organizing Committee- National Conference on Recent Emerging Trends in Plant Sciences-23 Sep-2017.
2. Co-Ordinator-National level Workshop on “NET/SET coaching in Mathematical Sciences” 04-05 Jan-2018
3. Convenor-National Conference on Mathematics and Applications in Real World-21-22 Feb-2020

Date: July 16, 2022

Place: Shahada