RESUME

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CARRER OBJECTIVE

To achieve a responsible and challenging position that will allow me to explore my capabilities, skills and sense of dedication towards my duties with a sole aim of seeing the Progress in the field of Mathematics & Technology.

JOB EXPERIENCE

- Presently Working as Assistant Professor in Dept. of Mathematics, **Maharaja Agrasen University**, Solan (H.P), INDIA (From Aug-24-2014 to till date).
- Two and Half year Working experience as Assistant Professor in Dept. of Mathematics, **MANAV BHARTI UNIVERSITY**, Solan (H.P), INDIA (From Feb-06-2012 to Aug-24-2014).
- Two years teaching experience at 10+2 Level in Govt. Higher Secondary School of J&K, working as a Lect. in **MATHEMATICS.**

MEMBER OF EDITORIAL BOARD/REVIEW COMMITTEE

- Editorial Board Member, **International Journal of Scientific & Technology Research,** Centre International de l'ISSN 45 rues de Turbigo 75003 PARIS, FRANCE.
- Editorial Board Member, **Global Journal of Computational Science and Mathematics (GJCSM),** of Research India Publications, INDIA. **(Scopus).**
- Editorial Board Member, **Indian Journal of Applied Mathematical Sciences (IJAMS),** of **GBS Publisher**, INDIA.
- Editorial Board Member of **Fundamental Journal of Mathematical Physics**, of Allahabad, INDIA.
- Editorial Board Member, **Global Journal of Theoretical and Applied Mathematical Sciences (GJTAMS),** of Research India Publications, INDIA **(Scopus).**
- **Editorial Board Member, Indian Journal of Theoretical and Applied Mathematical Sciences (IJTAMS),** G.B.S Publisher, INDIA.

- **Editorial Board Member, <u>Indian Journal of Mathematical Education and Practice (IJMEP),</u> G.B.S Publisher, INDIA.**
- **Editorial Board Member** of <u>International Journal of Emerging Technology and Advanced Engineering</u>, INDIA.
- **Editorial Board Member** of **<u>International Journals of Engineering & Sciences</u>** (IJENS),Rawalpindi Cantt, PAK.
- **Editorial Board Member** of **<u>International Journals of Advance Research</u>** (IJOAR), Malaysia**.**
- Review Committee Member, **<u>Transstellar Journal Publications and Research Consultancy Private Limited (TJPRC),</u>** INDIA.
- Review Committee Member, <u>International Journal of Scientific Engineering and Technology</u> **(**IJSET**),** INDIA.
- Review Committee Member, **<u>International Journal of Scientific & Engineering Research,</u>** 10685-B Hazlehurst Houston, TX 77043, **USA.**
- Review Committee Member, **<u>International Journal of Scientific Engineering and Technology,</u> INDIA.**

<u>MEMBER OF ADVISORY BOARD</u>
- **Advisory Board Member of <u>International Journal of Emerging Technology and Advanced Engineering</u> of India.**
- **Advisory Board Member of <u>GLOBAL JOURNAL FOR RESEARCH IN ENGINEERING AND TECHNOLOGY</u> of India.**

<u>**RESEARCH EXPERIENCE**</u>   **[***see Annexure-1***]**

<u>**HIGHEST QUALIFICATION**</u>   **[***see Annexure-2***]**

<u>**SPECIALIZATION**</u>   Vibration of Plates [Fluid Mechanics]

<u>**RESEARCH PUBLICATIONS**</u>   International Journal = 22 [***see Annexure-3***]

                                International+ National Conferences=3+10=13

                         National Seminar=01

<u>**BOOKS PUBLISH**</u>   International Books = 04   **[***see Annexure-4***]**

<u>**SPECIAL ACHIEVMENTS**</u>   **[***see Annexure-5***]**

<u>**EXPECTED SALARY**</u>   **[***see Annexure-6***]**

<u>**PERSONAL INFORMATION**</u>   **[***see Annexure-7***]**

Annexure-1

Started research (M. Phil Mathematics in M.M University, Mullana) in the field of Vibration of Visco-Elastic Square Plates. After this, I am register in <u>Pacific University, Udaipur</u> for PhD on 28-02-2013 under the supervision of Dr. Subodh Kumar Sharma, Associate Professor and Head of Dept. Govt. PG College Ambala, Haryana.

We are very familiar with the word "VIBRATION" which is widely used in various field of engineering i.e. ocean engineering, nuclear reactor, aircrafts designing etc. Due to Vibration in system, the efficiency or work power of the system reduces day by day. In modern technology, engineers are tried to know about few modes of vibration before finalizing a design of structure. In order to fulfill the requirements, the plates of variable thickness are extensively used to get desirability and durability. It provides two fold requirement i.e. safety and economy. This work is carried out for a visco-elastic rectangular plate of an Alloy of Aluminum named "DURALIUM" which is widely used in the field of aeronautical engineering, aerospace, earth quake resistant structure, naval structure, submarine, nuclear reactor technology etc. for manufacturing the various parts of engines, wings, motors etc.

Annexure-2

DEGREE/ EXAM PASSED	DIVISON WITH %	YEAR	BOARD/UNIV.	SUBJECTS	SPECIALIZATION
Pursing Phd	---	Feb-2013	Pacific Univ.,Udaipur, Rajasthan	Mathematics	---
M.Phil	I^{st} (77.4)	2011	M.M Univ., MULLANA	Mathematics	Solid Mechanics (Vibration Of Visco-Elastic Plates)
M.Sc.	I^{st} (68.5)	2008	B.G.B.S Univ., Rajouri J&K	Applied Mathematics	Numerical Analysis, O. R, Differential Equation
B.Ed	2nd (55.2)	2009	Jammu University (J&K)	---	---
B.Sc.	I^{st}(60.7)	2006	Jammu University (J&K)	Physics, Computer Science, Mathematics	---

Annexure-3

RESEARCH PAPERS PUBLISHED IN JOURNALS

S.No.	Year of Pub.	Title of paper	Name of the Journal, Volume/page no.	Impact Factor/I.C Value/Indexing	Name of the publisher
1	2014	Free Vibration of Visco-elastic orthotropic Rectangular plate with Bi-Parabolic Thermal Effect and Bi-Linear Thickness Variation	Journal of Advanced Research in Applied Mechanics & Computational Fluid Dynamics Vol.1, Issue 1, 2014	Still Computing	ADR Publisher
2	2014	Mechanical Vibration of Orthotropic Rectangular Plate with 2D Linearly Varying Thickness and Thermal Effect	International Journal of Research in Advent Technology, Vol.2, No.6, June 2014	0.765 (Scopus)	IJART Publisher
3	2014	Vibration Computational of Visco-Elastic Plate with Sinusoidal Thickness Variation and Linearly Thermal effect in 2D	Journal of Advanced Research in Applied Mechanics & Computational Fluid Dynamics Vol.1, Issue 1, 2014	Still Computing	ADR Publisher
4	2013	Free Transverse Vibration of Visco-elastic C-C-C-C square plate with Thickness and Temperature Variation	Research Journal of Mathematical and Statistical Sciences, Vol. 1(7), pp. 1-11, August (2013).	Still Computing	International Science Congress Association
5	2013	A Computational Model on : Vibration of square plate with varying Thickness and Thermal effect in two Directions	Research Journal of Engineering Sciences, Vol. 2(7), pp. 6-9, July (2013).	Still Computing	International Science Congress Association
6	2013	Natural vibration of visco-elastic plate of varying thickness with thermal effect	Journal of Applied Sciences and Engineering, Vol. 16, No. 2, pp. 135-140 (2013), China.	0.29 (Scopus, Thomson Reuters, Elsevier etc)	Tamkang University, Taiwan, China
7	2013	Natural Frequency of Visco-Elastic Square Plate With Thickness Variation	Elixir Mech. Engineering., 56, Jan-2013, pg 13264-13267.	ICV = 5.79 (Thomson Reuters, Elsevier etc)	Elixir Publisher
8	2012	Effect of varying Poisson ratio on thermally induced vibrations of non-homogeneous rectangular plate	Indian Journal of Science and Technology, Vol. 5, No. 9, Sept-2012, pg. 3263-3267.	ICV = 5.02 (Scopus,Thomson Reuters, Elsevier etc)	Indian Society for Education and Environment
9	2012	Mechanical Vibration of Visco-Elastic Plate With Thickness Variation	International Journal of Applied Mathematical Research, Vol. 1, No. 2, May-2012, pg. 150-158, U.A.E.	0.7578 (Elsevier , Zentralblatt MATH, Index Copernicus etc)	Science Publishing Corporation, UAE
10	2012	Effect of Thermal Gradient and Thickness Variation on Vibration of Visco- Elastic Plate	International Journal of Scientific and Technology Research, Vol. 1, Issue 3, April-2012, pg. 58-60.	0.675 (Elsevier , Zentralblatt MATH etc)	Centre International de l'ISSN 45 rue de Turbigo 75003 PARIS FRANCE

11	2012	A Computational Prediction on Vibration of Square Plate by Varying Thickness with bi-dimensional Thermal effect	International Journal of Emerging trends in Engineering and Development, Issue 2, Vol.3 ,April-2011, pg. 191-196.	2.87 (Scopus, Thomson Reuters etc)	RS Publication House
12	2012	Effect of Thermal Gradient on Vibration of Visco-Elastic Plate with Thickness Variation	American Journal of Computational and Applied Mathematics, Vol.2 (1), Feb-2012, pg.34-36.	Still Computing	Scientific & Academic Publishing Co, USA
13	2012	Vibration Characterization of C-C-C-C Visco- Elastic Square Plate With varying Temperature	International Journal of Research in Engineering & Applied Sciences, Volume 2, Issue 2 , Feb - 2012 , pg 1754-1760.	ICV = 1.776 (Index copernicus, Scirus, EBSCO etc)	Euro Asia Research and Development Association
14	2011	Analysis of Free Vibrations of Visco-Elastic Square Plate of Variable Thickness With Temperature Effect	International Journal Of Applied Engineering Research, Dindigul, Volume 2, No 2, 2011 ,pg. 312-317, INDIA.	ICV = 4.07 (Index copernicus, Scirus, EBSCO etc)	Integrated Publishing Association
15	2011	Analysis of Water Hammer Forming on the Sheet Metal	Journal of Information Engineering and Applications, Vol 2, No.1, 2012, pg 6-10.	ICV = 5.65 (Index copernicus, Scirus, EBSCO etc)	International Inst. Of Science & Technical Education
16	2011	Thermally Induced Vibration of Non-Homogeneous Visco-Elastic Plate of Variable Thickness	Advances in Physics Theories and Applications, Vol 1, 2011, pg 1-5, U.S.A.	ICV = 7.17 (Index copernicus, Scirus, EBSCO etc)	International Inst. of Science & Technical Education
17	2011	Vibration Analysis of Visco-Elastic Square Plate of Variable Thickness with Thermal Gradient	International Journal Of Engineering And Applied Sciences, Vol.3, Issue 4, 2011, pg. 1-6, TURKEY.	Still Computing	Turkish Academy of Sciences
18	2011	Bi-Parabolic Thermal Effect on Vibration of Visco-Elastic Square Plate	Journal Of Applied Mathematics and Bioniformatics,vol.1, no.2, 2011,pg 39-48 ,Greece.	Still Computing (Zentralblatt Math, EBSCO,ISI)	International Scientific Press, UK
19	2011	Theoretical Model on Vibration of Visco-elastic square plate with thermal effect	International Journal of Applied Engineering Research, Vol. 6, Issue 18, 2011, pg. 3143-3145.	Still Computing	Research India Publication
20	2011	Vibration of Non-homogenous Visco-Elastic Square Plate of Variable Thickness in Both Directions With Thermal effect	Innovative System Design and Engineering, vol.2, no. 2, 2011, pg. 6-11, U.S.A.	ICV = 6.94 (Index copernicus, Scirus, EBSCO etc)	International Inst. Of Science & Technical Education
21	2011	Study of free Vibration of Visco-Elastic Square Plate of Variable Thickness with Thermal Effect	Innovative System Design and Engineering, vol.1, no. 1, 2011, pg. 1-5, U.S.A.	ICV = 6.94 (Index copernicus, Scirus, EBSCO etc)	International Inst. Of Science & Technical Education

22	2011	Vibration Characteristics of Non-Homogeneous Visco-Elastic Square Plate	Advances in Physics Theories and Applications, Vol 2, 2011,pg. 1-6, U.S.A.	ICV = 7.17 (Index copernicus, Scirus, EBSCO etc)	International Inst. Of Science & Technical Education

RESEARCH PAPERS PRESENTED IN CONFERENCES/SEMINAR

S.No	Date with Year	Title of Papers	Name & Place of Conference	National/ International
1	18-20 Oct 2013	Free Vibration of Visco-elastic Parallelogram plate with varying Thickness and Thermal effect	B.S.V. Post Graduate College (K.K.V), Haryana, Gurgaon	National
2	10-11 Aug 2013	National Seminar on Research Methodology in Natural Sciences	PACIFIC University, Udaipur	National
3	22-23 Nov 2013	Transverse Vibrations of Visco - Elastic Square Plate with Thickness and Temperature Variation	Sant Longowal Institute of Engineering and Technology, Sangrur, INDIA	National
4	24-25 Mar 2012	A Mathematical Model on Free vibration of Visco-Elastic Plates	Galaxy Global Group of Institutions , Dinarpur , Haryana (INDIA)	National
5	25-26 Feb 2012	Effect of Temperature on Vibration of Visco-Elastic Plate	Dayal Singh College , Karnal , Haryana (INDIA)	National
6	29 Jan 2012	Vibration Characterization of C-C-C-C Visco-elastic Square Plate with varying Temperature	MAIMT, Jagadhri,Haryana, India	International
7	21 Jan 2012	Analysis of Free Vibration of C-C-C-C Visco-elastic Square Plate with Varying Temperature" is presented & published in proceeding of "NATIONAL CONFERENCE	Poornima College Of Engineering, Jaipur, Rajasthan.	National
8	8-9 June 2012	Natural Vibration of Visco-Elastic Plate with Thermal effect and Thickness Variation	MBU,Solan,H.P, India	National
9	16-17 Dec 2011	A Computational Prediction on Free Vibration of Visco-Elastic Square Plate of Variable Thickness with Temperature effect	Sant Longowal Institute of Engineering and Technology, Sangrur, INDIA	National
10	4-5 Nov 2011	Thermal Effect On Vibration Of Clamped Visco-Elastic Square Plate With Parabolic Thickness Variation	Sant Longowal Institute of Engineering and Technology, Sangrur, INDIA	National
11	5-6 Sept 2011	Thermal Effect on Vibration of Visco-Elastic Square Plate with Bi-Directional Varying Thickness	Geeta Enginnering College,Panipat, Haryana, INDIA	International

12	14-16 June 2011	A Computational Prediction on Two Dimensional Thermal Effect on Vibration of Visco-Elastic Square Plate of Variable Thickness	UPES, Dehradun, INDIA	International
13	08-09 Sept 2011	Vibration Analysis of Visco-Elastic Plate with Thermal Effect	Amity University Haryana, Gurgaon, INDIA	National
14	20-22 Oct 2011	Theoretical Model on Vibration of Visco-elastic square plate with thermal effect	Geeta Institute of Mangement and Technology, Kanipal, KUK, INDIA	National

Annexure-4

List of Published Books

1. **Title of Book: -** "Vibrational Characteristics of Square Plate with Thickness Variability".

    ISBN No: -   978-3-659-16916-8.

    Year: -   Jul 5, 2012.

    Publisher: –   LAP Publisher Germany.

2. **Title of Book:-** "Computational Prediction on natural Frequency of Crack Plate".

    ISBN No: -   978-3-659-25862-6.

    Year: -   September 27, 2012.

    Publisher: –   LAP Publisher Germany.

3. **Title of Book: -** "Mechanical Vibration of Plates".

    ISBN No: -   978-3-659-11322-2.

    Year: -   Feb-2014.

    Publisher: –   LAP Publisher Germany.

4. **Title of Book: -** "Mathematical Foundations".

    ISBN No: -   978-3-659-58693-2.

    Year: -   Aug-2014.

    Publisher: –   LAP Publisher Germany.

Annexure-5

- ‣ NCC, "B" and "C", Certificate of Army Wing.
- ‣ Six month certificate course of M.S Office.
- ‣ Also familiar with C, C++ and MATLAB Computer Programming.

Annexure-6

Present Salary: - 25,000

Expected Salary: - 35,000

Reference:-

1) **Dr. Subodh Kumar Sharma**
   Associate Prof. and Head of Mathematics Dept.,
   Govt. P.G. College, Ambala cantt.
   Mob. No.:-9996682135, E-mail:- subodhamb@rediffmail.com

2) **Dr. Narender Kumar Sharma**
   Asst. Prof. Dept.of Physics,
   Manav Bharti University Solan, H.P.
   Mob. No.:-9996682135, E-mail:- narendersharma323@gmail.com

Annexure-7

FATHER'S NAME	**SHRI. OM PARKASH**
MOTHER'S NAME	**SMT. KANTA SHARMA**
D.O.B.	**12-NOV-1984**
CATEGORY	**GENERAL**
NATIONALITY	**INDIAN**
MARITAL STATUS	**SINGLE**
LANGUAGE KNOWN	**HINDI, ENGLISH AND PUNJABI**
SOCIAL STATUS	**FACEBOOK**
RESIDENTIAL ADDRESS	**V.P.O:- SUNDER BANI**
	DISTT:-RAJOURI
	STATE:-JAMMU AND KASHMIR.
	PINCODE: - 185153, INDIA.

Date:-
Place:-   **Ashish Kumar Sharma**