

Dr. Anurag Dixit
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PROFESSIONAL QUALIFICATION

- PhD (Mechanical Engineering) from Gautam Buddha University, Greater Noida. *2015*
- M.Tech. (Applied Mechanics) Indian Institute of Technology, Delhi. *2009*
- B.E. (Mechanical Engineering) Dr. B.R. Ambedkar University Agra. *2002*



SUMMARY OF TEACHING/ RESEARCH EXPERIENCE

- G.B. Pant Govt. Engg. College, New Delhi, (*Jan 2016 - Till Date*): Working as an Assistant Professor in Dept. of Mechanical and Automation Engineering.
- Gautam Buddha University, Greater Noida, (*Nov 2010 - Jan 2016*): Worked as a Research/ Faculty Associate in Dept. of Mechanical Engg. School of Engineering.
- Amity University, Noida (*July 2010 - Nov 2010*): Worked as Senior Lecturer in Department of Mechanical & Automation Engineering.
- Indian Institute of Technology Delhi: (*July 2009 – April 2010*): Worked as a Research Associate on an Indo-Russian project.
- Shri Ram Swaroop Memorial College of Engineering and Management, Lucknow (*Aug 2005 - July 2007*): Worked as a Lecturer in Dept. of Mechanical Engg.
- Northern India Engineering College, Lucknow (*Sept 2004 - July 2005*): Worked as a Lecturer in Department of Mechanical Engineering.

➤ **ADMINISTRATIVE EXPERIENCE**

- Worked as an Assistant Warden of Guru Ghansi Das Boys Hostel, G.B.U. Greater Noida. (02 Years).
- Worked as a member of University Admission Committee, G.B.U. Greater Noida. (02 Years)

➤ **RESEARCH AREA**

- FEA of Textile Composites, Design Engg, Impact Mechanics, Large Deformation of Metals & Composite at low, medium and high rates of Loading, Fracture Mechanics.

➤ **COURSES ATTENDED**

- Attended one week short term course on “Computer aided design and analysis of machine & structural elements” organized by M.N.I.T. Jaipur. (23-12-2013 to 27-12-2013).
- Attended Short-term Participant course on “Product Design & Development” organized by I.I.T. Roorkee (09-07-2007 to 13-07-2007).
- Attended Workshop on 'Contemporary Pedagogical Approaches in Operation Management' sponsored by United States Educational Foundation in India. (USEFI).
- Participated in National Seminar 2K6 on "India's Role in Global I.T. Sector" at S.R.M.C.E.M. Lucknow.
- Attended the International Conference as a Delegate on "Challenges and Strategies for Sustainable Energy, Efficiency and Environment" at Geological Survey of India, Lucknow.

➤ **LECTURE DELIVERED**

- Delivered expert lecture on “Advance Applications of FEM” in a STTP on Finite Element Method (FEM) Through Altair HyperWorks organized by Department of Mechanical Engineering, M.N.I.T. Jaipur, Rajasthan. (02-06 June 2014).

➤ **RESEARCH PUBLICATIONS**

- Kindly Refer Annexure 1.



PROFESSIONAL AFFILIATION

- Life Member of “Indian Society of Mechanical Engineers.” *Membership No: 1038.*
- Member of “International Association of engineers.” *Membership No: 127751.*
- Reviewer of the Journal of Institution of Engineers (India): Series E. (*Springer*)



PERSONAL DETAILS:

Fathers Name: Sri V.K. Dixit

Mothers Name: Smt. Kanti Dixit

Spouse Name: Mrs. Shubhra Dixit

Date of Birth: 08.03.1979

Permanent Address: 551-K/ 304 JHA/1, Saketpuri, Alambagh, Lucknow (U.P.) – 226005

(Dr. Anurag Dixit)

List of Publications of Dr. Anurag Dixit

Annexure I: International Journal Research Papers Published

Published

- [1] **Anurag Dixit** and Harlal Singh Mali, "Modelling techniques for predicting the mechanical properties of woven-fabric textile composites: A Review", **Mechanics of Composite Materials**, **49(1)**, 1-20 (2013).

[Publisher: **Springer**]

(Impact Factor: **0.473**)¹

- [2] **Anurag Dixit**, Harlal Singh Mali and R.K. Misra, "A Micromechanical Unit Cell Model of 2×2 Twill Woven Fabric Textile Composite for Multi Scale Analysis," **Journal of the Institution of Engineers (India): Series E**, **95(1)**, 1-9 (2014).

[Publisher: **Springer**]

- [3] **Anurag Dixit**, R.K. Mishra, Harlal Singh Mali," Compression modeling of textile fabric using finite elements," **MATERIALWISS WERKST**, **45(7)**, 600-610 (2014).

[Publisher: **John Wiley**]

(Impact Factor: **0.505**)

- [4] **Anurag Dixit**, Harlal Singh Mali and R.K. Misra, "Experimental Investigation on the Thermo Mechanical Behavior of 2 × 2 Twill Woven Fabric Advanced Textile Composite," **Mechanics of Composite Materials**, **51(2)**, 1-14 (2014).

[Publisher: **Springer**]

(Impact Factor: **0.473**)

- [5] **Anurag Dixit**, R.K. Mishra, Harlal Singh Mali", Finite element analysis of quasi-static indentation of woven fabric textile composites using different nose shape indenters," **MATERIALWISS WERKST**, **46(10)**, 1014-1028 (2015).

[Publisher: **John Wiley**]

(Impact Factor: **0.505**)

- [6] Mayank Nirbhay, R.K. Misra and **Anurag Dixit**," Finite element analysis of jute-coir fiber reinforced hybrid composite multi-panel plates", **Mechanics of Composite Materials**, **51(4)**,505-520 (2015).

[Publisher: **Springer**]

(Impact Factor: **0.473**)

¹ Number enclosed in the bracket denotes 2014 Impact Factor of the journal.

International Conferences Attended/Contributed

1. *Malaysian International Tribology Conference, Kotakinabalu Sabah Malaysia*, November 18-20, 2013, Department of Mechanical Engineering, Universiti Malaya, 50603 Kuala Lumpur, Malaysia. (Oral Presentation)

Title of Presentation: "Unit cell model of woven fabric textile composite for multiscale analysis"

Authors: Anurag Dixit, H.S. Mali, R.K. Misra

Published in: Procedia Engineering 68 (2013) 352 –358. **(Publication House: Elsevier)**

2. *3rd International Conference on Materials Processing and Characterization*, March 08-09, 2014, Department of Mechanical Engineering, GRIET, Hyderabad, India. (Oral Presentation)

Title of Presentation: "Finite element compression modelling of 2x2 twill woven fabric textile composite"

Authors: Anurag Dixit, R.K. Misra, H.S. Mali

Published in: Procedia Materials Science, 6 (2014) 1143–1149. **(Publication House: Elsevier)**

3. *3rd International Conference on Materials Processing and Characterization*, March 08-09, 2014, Department of Mechanical Engineering, GRIET, Hyderabad, India.

Title of Presentation: "Finite element shear modelling of 2x2 twill woven fabric textile composite"

Authors: R.K. Misra, Anurag Dixit, H.S. Mali

Published in: Procedia Materials Science, 6 (2014) 1344–1350. **(Publication House: Elsevier)**

4. *International Conference on Advances in Manufacturing and Materials Engineering*, March 27-29, 2014, Department of Mechanical Engineering, NIT Surathkal, India.

Title of Presentation: "Tensile test simulation of CFRP test specimen using finite elements"

Authors: Mayank Nirbhay, Anurag Dixit, R.K. Misra, H.S. Mali

Published in: Procedia Materials Science, 5 (2014) 267–273. **(Publication House: Elsevier)**

5. *4th International Conference on Materials Processing and Characterization*, March 14-15, 2015, Department of Mechanical Engineering, GRIET, Hyderabad, India.

Title of Presentation: "Numerical Analysis of Hip Joint Implant"

Authors: Arjit Kumar Saxena, Raghvendra Kumar Mishra, Anurag Dixit

Published in: Materials Today, 2 (2015) 1649-1656. **(Publication House: Elsevier)**