Dr. Krishna K. Pandey

Institution: Institute of Wood Science and Technology, Bengaluru, India

Date of birth: 7th May, 1962

Communication Address:
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Education:
- Ph. D. (Physics) 1990, Kumaon University Nainital, India
- M. Sc. (Physics) 1983, Kumaon University Nainital, India

Research Interests:
- Photo-degradation, weathering and protection of wood
- Wood coatings
- Wood modification (chemical and thermal modification) and preservation
- Transparent wood
- Surface properties and characterization of wood polymers by spectroscopic techniques
- Wood Energy

Awards / Honors / Fellowships / Visiting positions:
- Member of UNEP - Environmental Effects Assessment Panel (2015 onwards)
- Elected Fellow of International Academy of Wood Science (2013)
- National Awards for Excellence in Forestry Research by Indian Council of Forestry Research and Education (2012)
- Senior Researcher, Helsinki University of Technology, Finland (Sept. 2006 to Dec. 2007)
- Postdoctoral Researcher, Kyoto Institute of Technology, Japan (Jan 1993 to March 1994)
- FAO Fellow, Forest Product Research Centre, Buckinghamshire Chilterns University College, U.K. (September – December 1999)
- Ron Cockcroft Award (RCA) of International Research Group on Wood Protection (IRG) (2004)
- Guest Speaker of Institute of Wood Biology and Technology, Gottingen University, Germany (December 12-23, 2005).
- Invited speaker at Wood Laboratory, EMPA, Dübendorf, Switzerland 19-22 November 2007).
• DST Young Scientist (SERCYS) (1990-1992).
• UGC and CSIR Senior Research Fellow, Kumaun Univ. Nainital, India (1986-1990).

Publications:
• 01 Edited book (publisher-Springer)
• 67 Papers published in peer reviewed journals
• 14 Papers published in Book / Proceedings of Conferences
• 12 Project Completion Reports/ Technical reports
• 05 UNEP reports
• Citation index of all published papers 3650, h-index – 23 (Google scholar)
List of Publications

A. Book:

**Title of book:** Wood is Good: Current Trends and Future Prospects in Wood Utilization.
**Editors:** K.K. Pandey, V. Ramakantha, S.S. Chauhan, A.N. Arunkumar

B. Papers Published in peer reviewed journals:


44. U. Tripathy, P.B. Bisht, K. K. Pandey (2004) Study of excitation energy migration and transfer in
DMOCI-RB in thin films of polyvinyl alcohol. Chemical Physics 299, 105-112.


60. K.K. Pandey (1991) UO$_2^{2+} \rightarrow$ Sm$_3^{2+}$ and UO$_2^{2+} \rightarrow$ Pr$_3^{3+}$, energy transfer in sodium borate glass: Indian J. Pure & Applied Physics 29, 362-367.


C. *Papers Published in Books/Proceedings of Symposiums/Conferences:*


D. **Project completion report / technical manual / final technical report**


8. Final technical report of ICFRE funded project “Studies on chemical modification of wood and its thermoplasticization” submitted to ICFRE Dehra dun in 2012.


E. UNEP Reports:

Co-authored following UNEP reports submitted to UNEP for circulation to parties to Montreal protocol.


2. Environmental Effects Assessment Panel Update Report, 2017

