

**Research Article:**

**INVESTIGAREA PRIN COMPUTER  
TOMOGRAFIE CU RAZE X A  
ANIZOTROPIEI PUTREZIRII LEMNULUI**

**ANALYSIS OF DECAY ANISOTROPY BY  
X-RAY COMPUTER TOMOGRAPHY**

***Kei MAEDA***

PhD Student – University of Tokio – School of Agriculture and Life Science  
Adresa/Address: 1-1-1 Yayoi, Bunkyo-ku Tokyo, Japan  
E-mail: [maedakei1985@yahoo.co.jp](mailto:maedakei1985@yahoo.co.jp)

***Masamitsu OHTA***

Prof., PhD – University of Tokio – School of Agriculture and Life Science  
Adresa/Address: 1-1-1 Yayoi, Bunkyo-ku Tokyo, Japan  
E-mail: [aohta@mail.ecc.u-tokyo.ac.jp](mailto:aohta@mail.ecc.u-tokyo.ac.jp)

***Ikuno MOMOHARA***

Researcher - Forestry and Forest Products Research Institute  
Adresa/Address: 1 Matsunosato, Tsukuba, Ibaraki, Japan  
E-mail: [momohara@ffpri.affrc.go.jp](mailto:momohara@ffpri.affrc.go.jp)

**BIBLIOGRAFIE / REFERENCES**

DOI, T., MIYANO, M., LU, H., KITAMOTO, H. (1995). The damage of wooden houses attacked by the 1995 Hanshin-Awaji earthquake. Research report of AIJ Kinki branch, 35, pp. 221-224. ISSN 1345-6660.

JAN VAN DEN, B., MATTHIEU, B., JORIS VAN, A., LUC VAN, H. (2009). Three-Dimensional X-Ray Imaging and Analysis of Fungi on and in Wood, Microscopy Microanalysis, 15, pp. 395–402. ISSN 1431-9276.

JAPANESE INDUSTRIAL STANDARDS (2009). Methods of tests for wood., JIS Z-2101. Japanese Standards Association, Tokyo.

KARUBE, M., MYATAKE, A., SUZUKI, K., KATO, H. (2001). Report on the collapse of bridge made with Bongossi. Journal of architecture and building science, 12, pp. 89-92. ISSN 1341-9463.

MIZUMOTO, S. (1964). Relation of Moisture Content of Wood and Relative Humidity in an Atmosphere to the Decay of Japanese Red Pine Wood, Due to Attack of Four Species of Gloeophyllum. Journal of the Japanese Forestry Society, 46, pp. 9-13. ISSN 0021-485X.

PETUTSCHNIGG, A. J., FLACH, M., KATZ, H. (2002). Decay recognition for spruce in CT-Images. Holz als Roh- und Werkstoff, 60, pp. 219–223. ISSN 0018-3768.