Prof. Masamoto Tafu, Dr. Eng.

Professor,
Institute of National Colleges of Technology, Toyama College, Japan

Birth: 17 Feb. 1969
Nationality: Japanese
Sex: Male
E-mail: tafu@nc-toyama.ac.jp
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Academic Degree: Dr. Eng. (Nagaoka University of Technology, Japan, 2005)

Education:
1991 Awarded the degree of BSc. From Ritsumeikan University, Japan
1993 Awarded the degree of MSc. From Kyoto University, Japan
2005 Awarded the degree of Ph. D (Dr. Eng.) from Nagaoka University of Technology, Japan

Occupation:
April 1994 – March 2005
Research Associate, Toyama National College of Technology
March 2005 – December 2013
Associate Professor, Toyama National College of Technology
January 2014 – Present
Professor, National Institute of Technology, Toyama College (NIT-TC, same of above)
April 2016 – March 2018
Director, Innovation Center for Cooperative Research, NIT-TC
April 2018 - Present
Director, Center for Collaborative Solutions
August 1998, April 1999 – March 2000
Invited Researcher, National Institute of Materials and Chemical Research,
Agency of Industrial Science and Technology (Old name of AIST)
April 2010 – Present
Invited Researcher, Alliance for Research on North Africa,
University of Tsukuba, Japan
April 2016 – Present
Research adviser, National Institute for Material Science (NIMS), Japan

Field of Specialization:

Ceramic materials, Environmental Technology/Materials

Outline Activities

1) Main Subjects and Achievements
   (1) Research of functional ceramic materials
      a) Fabrication of nano-hybrid material based on calcium phosphate
         - Developed novel fluoride immobilizer “F crest” with Chiyoda-Ute Co. Ltd.
         - Fundamental research with Nitta Gelatin Co. Ltd.
      b) Application of the hybrid material for environmental issues
         - Immobilization of fluoride in waste gypsum board for application of ground stabilizer
         - Application for water and soil treatment (with Daikin Industries Ltd.)
   (2) Research of water treatment
      a) Treatment of fluoride in wastewater from small industry plants (electric plating etc)
   (3) Research of recycle (3R) technology
      a) Development of recycle system of waste gypsum board

2) Grants
   10 Grants from Japanese Government (Total: ca. 400 Million JPY)

3) Publications
   57 Refereed papers
   8 Refereed reviews
   6 Books
   14 Patent Certificates (including International Patents)
   13 Patent Applications (including International Patents)

4) Awards
   June 2019: Award from The Society of Inorganic Materials, Japan
   June 2012: Award from Gypsum Board Association of Japan
   November 2008: MONODZUKURI Collaboration Award
   (from NIKKAN KOGYO SHIMBUN, LTD.)

5) Presentations
   42 Invited and Keynote Presentations in International Conference
   190 Presentations in International Conference
   197 Presentations in Japanese Domestic Conference