

[Available Issues](#) | [Instructions to Authors](#) | [Japanese](#) >> [Publisher Site](#)Author: [ADVANCED](#) | Volume Page
Keyword: [TOP](#) > [Available Issues](#) > [Table of Contents](#) > [Abstract](#)

ONLINE ISSN : 1880-1986

PRINT ISSN : 1346-8235

Journal of Textile Engineering

Vol. 54 (2008) , No. 6 199-205

[\[PDF \(1208K\)\]](#) [\[References\]](#)

Current State of Nanofiber Produced by Electrospinning and Prospects for Mass Production

[Yoshihiro YAMASHITA](#)¹⁾*1) Materials Science, The University of Shiga Prefecture*

(Received October 20, 2008)

(Accepted for publication November 7, 2008)

Abstract: Melt electrospinning was able to achieve a thin fiber with nano-order diameter by controlling the amount of discharge. Biomaterial is one of the fields where nanofiber is actively studied. The challenge of Japan for application and mass production of nanofiber noticed at present is also explained in this paper. Hirose paper Co. Ltd. proposed the production technique for an electrospinning in bubbles which continuously arise in polymer solution by applying high voltage. In NEDO project of Japan, the productivity was improved by increasing number of nozzle and became 50 times as great as the previous one. In Shiga Prefecture, the manufacturing equipment was also developed.

Key Words: [Electrospinning](#), [Nanofiber](#), [Multi nozzle](#), [Melt electrospinning](#)

[\[PDF \(1208K\)\]](#) [\[References\]](#)Download Meta of Article [\[Help\]](#)[RIS](#)[BibTeX](#)

To cite this article:

Yoshihiro YAMASHITA, J. Text. Eng., Vol. **54**, p.199 (2008) .



[Japan Science and Technology Information Aggregator, Electronic](#)

