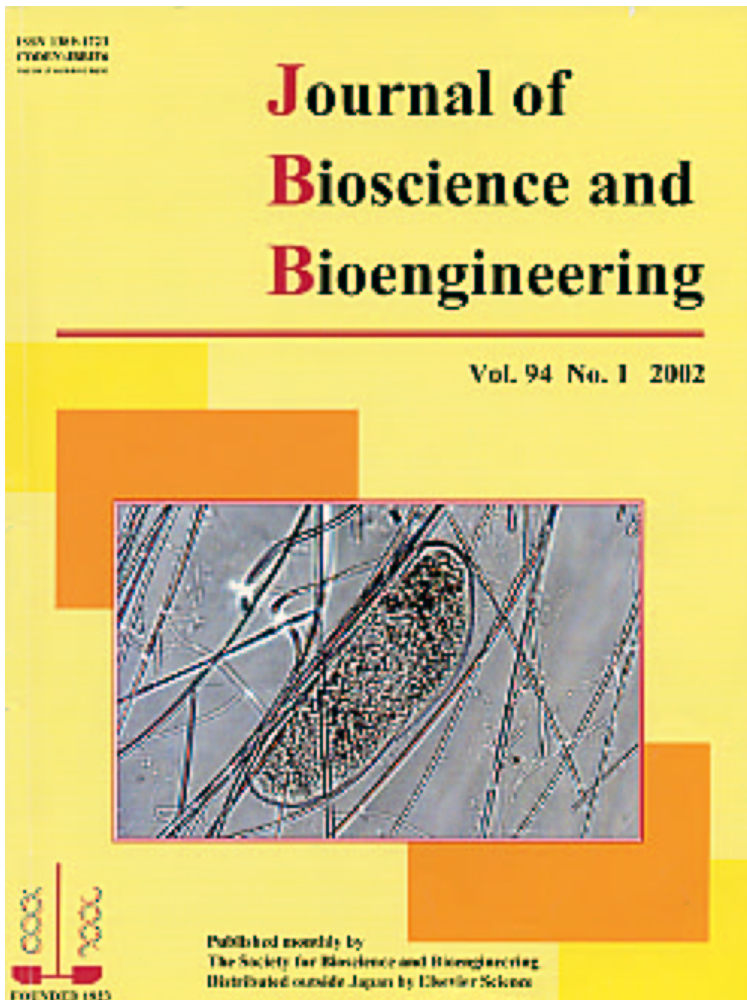


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Takiguchi *et al.* found that the ciliated protozoan *Paramecium caudatum* ON-1 was repelled by 2,4-dichlorophenoxyacetic acid (2,4-D). The figure shows that after retarding the cell's movement with glass fibers, a KCl-filled microelectrode was slowly inserted into the midsection of the cell on the coverslip by using a three-axis oil hydraulic micromanipulator.

Related article: Takiguchi *et al.*, "Behavioral responses of the ciliated protozoan *Paramecium caudatum* to 2,4-dichlorophenoxyacetic acid and its analogues", *J. Biosci. Bioeng.*, vol. 93, 416-420 (2002).

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⇒ [JBB Archive: Vol. 93 \(2002\)–Vol. 106 \(2008\)](#)