
東南大学 中国 研修報告書

(研修テーマ) 生物機能を活用した地盤改良技術の遺構修復技術について

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Southeast University

Prof. Ning Jun Jiang

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5.1



Bio desaturation Bio clogging Bio cementation
 Bio remediation

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Bioaugmentation method
 Biostimulation method

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Biostimulation method

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Bioaugmentation method

Fig.1

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Loess()

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Loess

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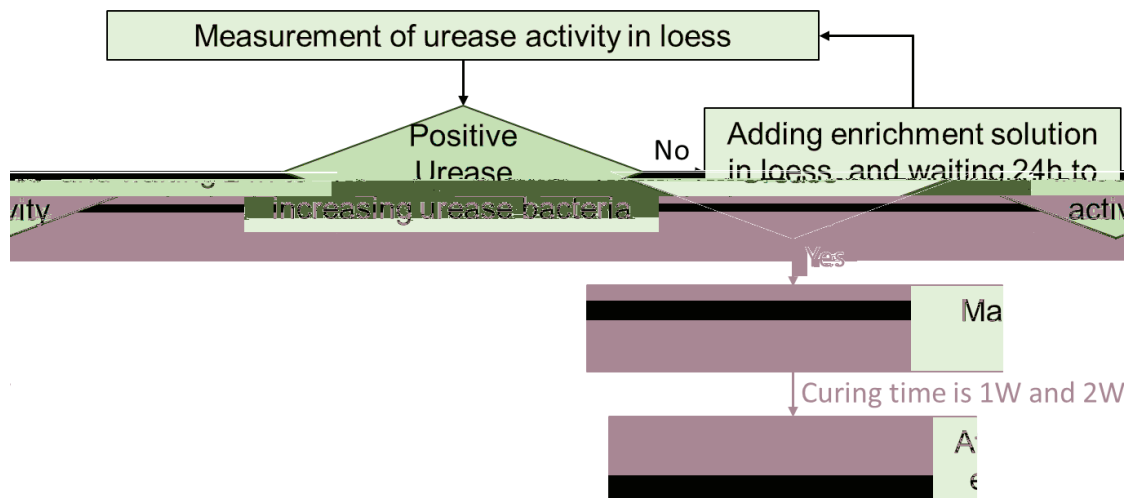
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Table.1

0 5%



scopes

USC test, acid washing and observing calcite crystal with microscope

Fig.1 Flow of this research

Table.1 Experimental conditions

	Target calcium carbonate precipitation rate(%)	loess(g)	Urea(g)	CaCl ₂ (g)	Water(g)
A	0	370	0	0	44.4
B	1	370	2.22	4.10	44.4
C	2	370	4.44	8.21	44.4
D	3	370	6.66	12.31	44.4
E	4	370	8.88	16.41	44.4
F	5	370	11.10	20.51	44.4

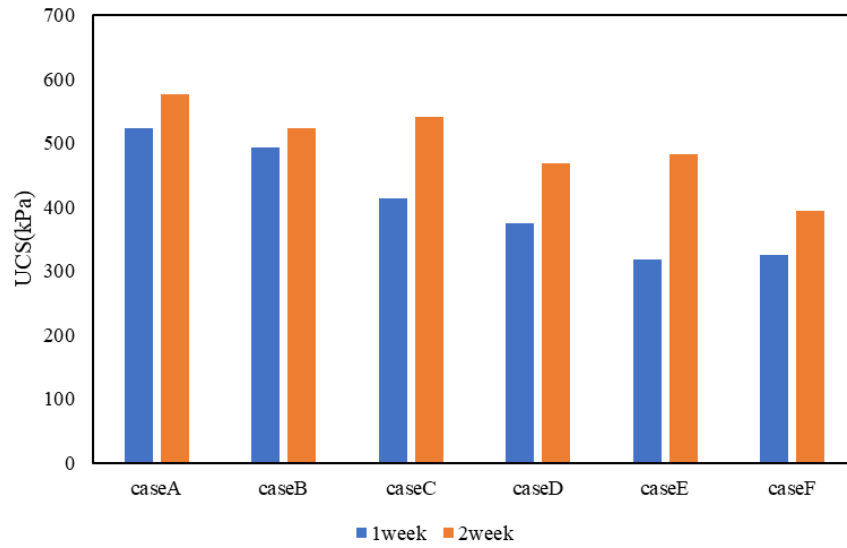


Fig.2 UCS result

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Loess()

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Fig.2 1

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