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sahand359@yahoo.com :

// : // :

g/L (× × ×)

COD mg/L COD g/L × mg/L PAC

COD (mg/L) COD (mg/L)

Amakrane et al. 1997; Chiang et al.)
2001; Park et al. 2001; Renou et al. 2008;
(Irene 1997

(Ahn et al. 2002)

COD

SBR

Bohdziewicz et al. 2001; Diamadopoulos)
et al. 1997; Ding et al. 2001; Geenens et al.
(2001

/ mg/L
COD

Satyawali and Balakrishnan 2009; Foo)
(and Hameed 2009; Trebouet et al. 2001

/ mg/L

Li and Zhao 2001; Im)
et al. 2001; Kettunen et al. 1996; Kim et al.
(1997

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// C/N/P

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pH . g/L

(g/L

/

COD

COD

pH

g/L

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pH / g/L

pH

COD

mg/L

/

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/

:

x

/

/

x

x

pH COD

COD

g/L

mg/L

:

x

KH₂PO₄

mg/L

COD

×

mg/L

pH (±)

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%

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Jorfi)

(et al. 2009

MLSS

COD

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pH

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COD

mg/L ×

COD

American Public Health)

mg/L

(Associatin, 2005

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COD

mg/L

COD

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/ mg/L

(.4500-NH₃B)

mg/L

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(.2540D)

(.4500OC)

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mg/L / mg/L

MLSS ×

MLSS MLSS

mg/L

MLSS

mg/L ×

MLSS mg/L mg/L

MLSS × ×

() MLSS

× × COD

()

:

()

×

COD

(× × ×)

g/L

/ mg/L COD

/ mg/L

COD × ×

mg/L

PAC / mg/L /

COD

PAC

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COD

mg/L

MLSS

MLSS

× × ×

PAC

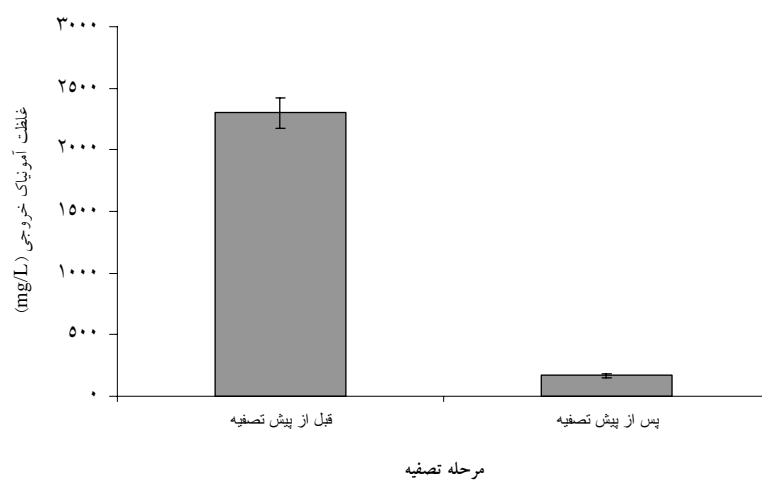
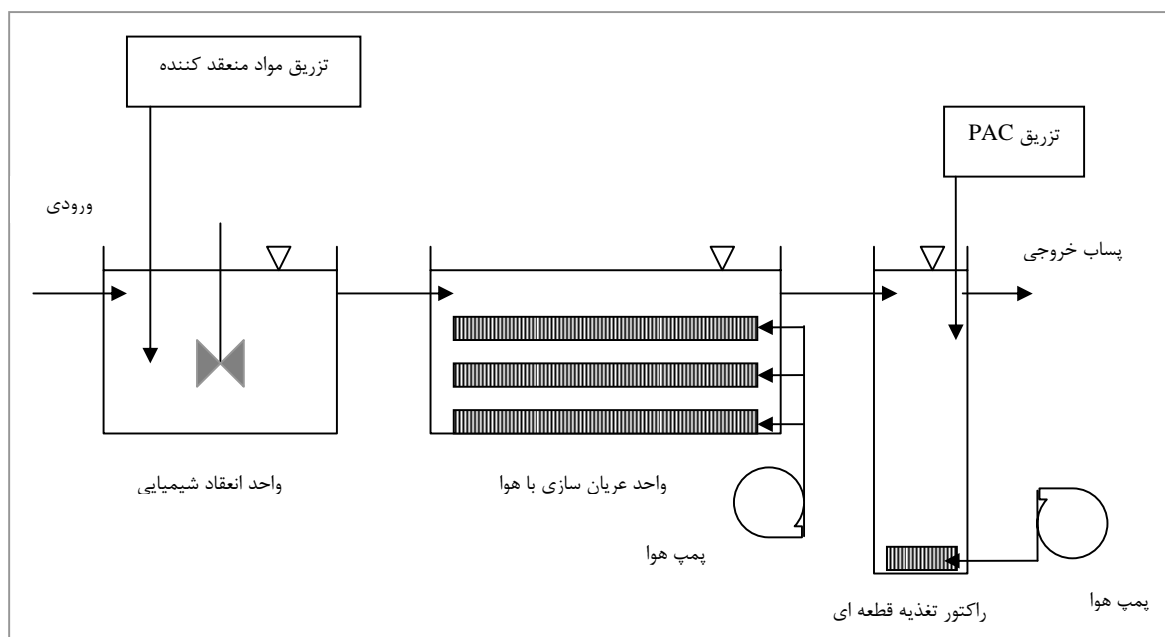
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| | x | | | | | | PAC |
| Fikret and Pamukoglu) | | / | | | | | |
| | | | (2003 | | | | |
| | g/L | () | | | | | |
| | COD | | | | UASB | | COD |
| x | | / | | | | | |
| x | x | | | | | | / |
| | | | (Liyani et al. 2009) | | COD | | (Kennedy et al. 2000) |
| | PACT | | | | MBR | | |
| | | | COD | | | | (Jolanta et al. 2008) |
| | (Aghamohammadi et al. 2007) | | | | - | | |
| | | | COD | | | | |
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| | | | | | Shuler and Kargi) | | |
| | | | | | MBBR | | (2002 |
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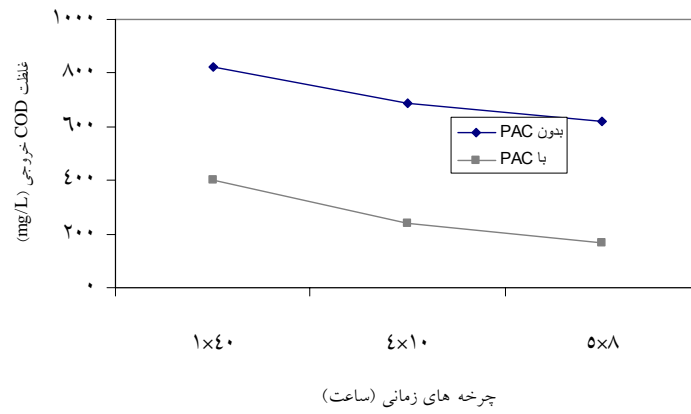
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| / ± / | (%) |
| ± / | (%) |
| / ± / | (g/cm ³) |
| | (mg/g) |
| ± | (mg/g) |
| | (m ² /g) |
| ± / | () |
| | (%) |
| | (%) |
| ± / | pH |

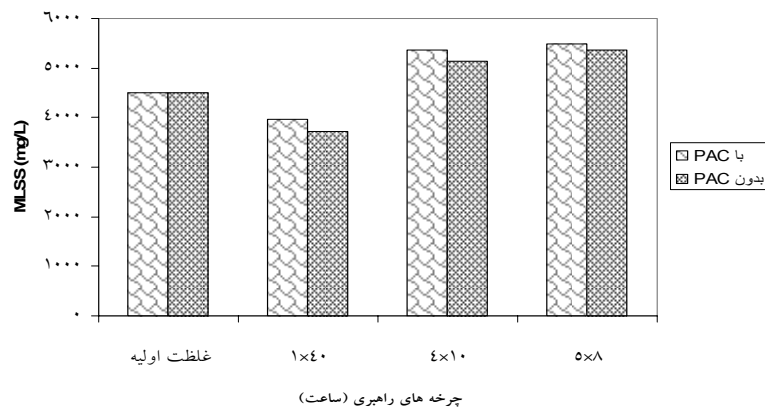
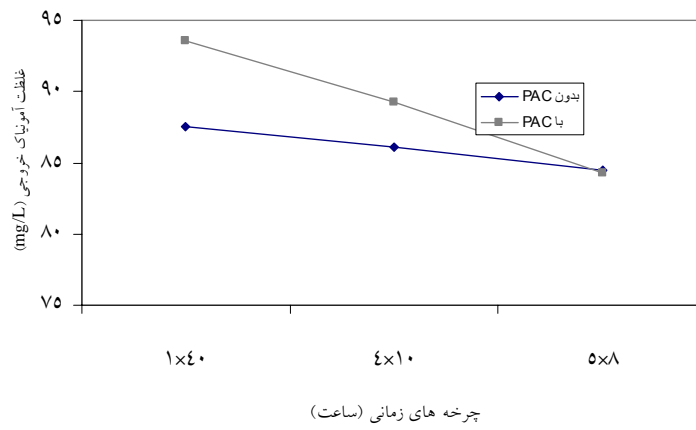
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| | | | | |
|-----|---|-----|---|-----|
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| ± / | / | ± / | / | × |
| ± / | / | ± / | / | × |
| ± / | / | ± / | / | × |





COD



MLSS



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