

حسین

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مریی پژوهشی گروه اکولوژی مرکز بین المللی علوم و تکنولوژی پیشرفته و علوم محیطی
۲- استادیار گروه زیست شناسی دانشگاه شهید باهنر کرمان
۳- کارشناس ارشد بیوشیمی مرکز بین المللی علوم و تکنولوژی پیشرفته و علوم محیطی
تاریخ دریافت: // تاریخ پذیرش: //

pH

کلید واژه

) نیست.

(

زمینه

SO₃ H₂S SO₂

(Acharya, 2001, Anushree, 2000)

بیشتر از

(Juszczak, 1995)

(Prayuenyong ,2002)

مواد و روش‌ها

(Fuseler, 1996)

XRF

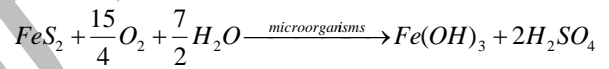
(Schippersm, 1999)

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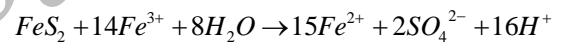
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| SiO ₂ | Al ₂ O ₃ | Fe ₂ O ₃ | CaO | SO ₃ | Na ₂ O | K ₂ O | LOI |
|------------------|--------------------------------|--------------------------------|-----|-----------------|-------------------|------------------|-----|
| % / | % / | % / | % / | % / | % / | % / | % / |

(Silverman ,1959) 9K

Juszczak,)

(Chen, 2000)

(1995

()

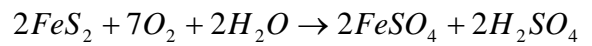
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(Fuseler, 1996)

()

317 9K

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| 9K (Silverman, 1959) | g.l | (Chen, 2000) | g.l |
|---|-----|---|-----|
| (NH ₄) ₂ SO ₄ | | (NH ₄) ₂ SO ₄ | / |
| K ₂ HPO ₄ | / | K ₂ HPO ₄ | / |
| MgSO ₄ 7H ₂ O | / | MgSO ₄ 7H ₂ O | / |
| KCl | / | CaCl ₂ | / |

Sulphur

pH

cc

(Bosecker ,1997)

Bataghelia,)

(NH₄)₂SO₄ 3.7 g/l, H₃PO₄ 0.8 g/l, KOH 4.8 g/l, (1997

MgSO₄. H₂O .52g/l]

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/ /

Donati,)

(1995

/

وسيلة

pH .

pH

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Pronab,)

()

(1996

pH

pH

(Oser, 1965)

(Donati, 1995)

Excel

Acharya .

%

/

(Acharya, 2001)

()

Anushree

()

pH

(Schippersm, 1999)

)

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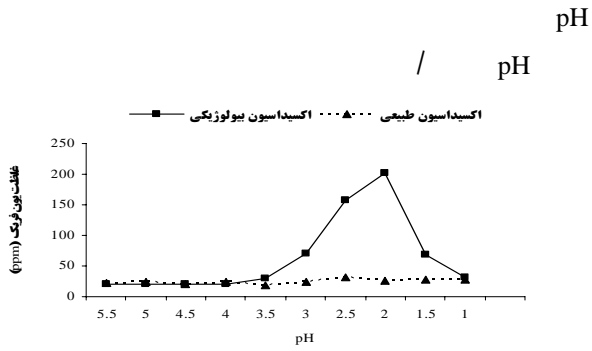
(

(Sasaki, 1995)

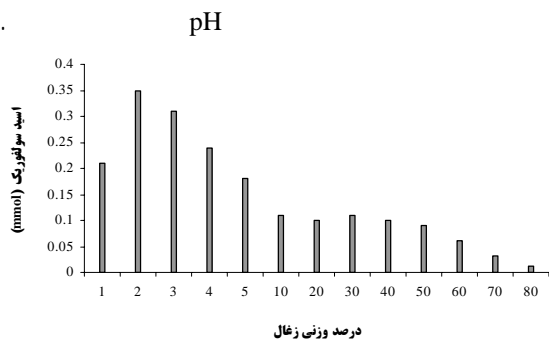
| | +S | - S | |
|--|----|-----|---|
| <i>T.ferrooxidans</i> | / | / | / |
| <i>T. thiooxidans</i> | / | / | / |
| <i>T.ferrooxidans</i> + <i>T. thiooxidans</i> | / | / | / |

pH () pH

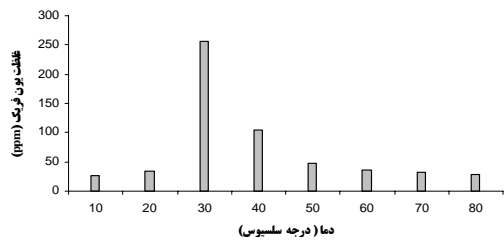
(Prayuenyong, 2002)



pH () / pH



دما



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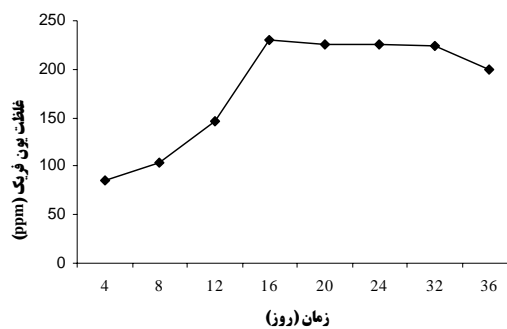
ppm

(Juszczak, 1995)

(Juszczak, 1995)

نتیجه گیری کلی

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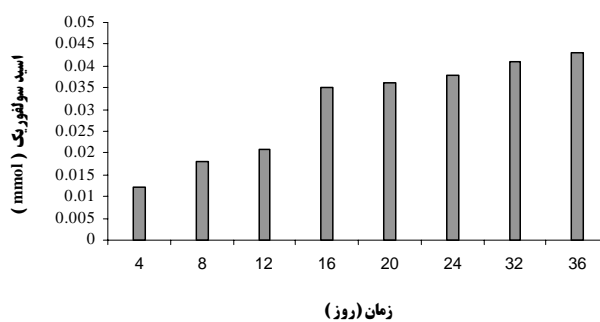


pH

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یادداشت‌ها

- 1-Biodesulphurization
- 2-Thiobacillus ferrooxidans
- 3-Thiobacillus thiooxidans
- 4-Thiobacillus caldus
- 5-Sulfolobus acidocaldarius
- 6-Acidianus brierlyei
- 7-Metallosphaera sedula
- 8-Desulfobrio desulfuricans
- 9-Leptospirillum ferrooxidans



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