



---

\*Corresponding author: Housseem Eddine Ben Messaoud, Higher School of Agricultural Equipment Engineers, Medjez el Bab, Tunisia, E-mail: [housseem.ben.messaoud@gmail.com](mailto:housseem.ben.messaoud@gmail.com)

Received April 11

$$\text{Evaporation flux: } J_w = \frac{m}{t \cdot S} \text{ kg} \cdot \text{min}^{-1} \cdot \text{m}^2 \quad (1)$$

$$\text{Permeate flow rate: } Q_f = \frac{m}{t} \text{ L} \cdot \text{h}^{-1} \quad (2)$$

$$\text{Transmembrane pressure: } \Delta P = \frac{p_a - p_b}{2} - P_{atm} \quad (3)$$

With S: membrane surface (m<sup>2</sup>), Pa: Inlet pressure (Bar), Pb: outlet pressure (Bar)

P<sub>atm</sub>: atmospheric pressure (Bar)

Also the Mass concentration factor has been calculated. It is given by:

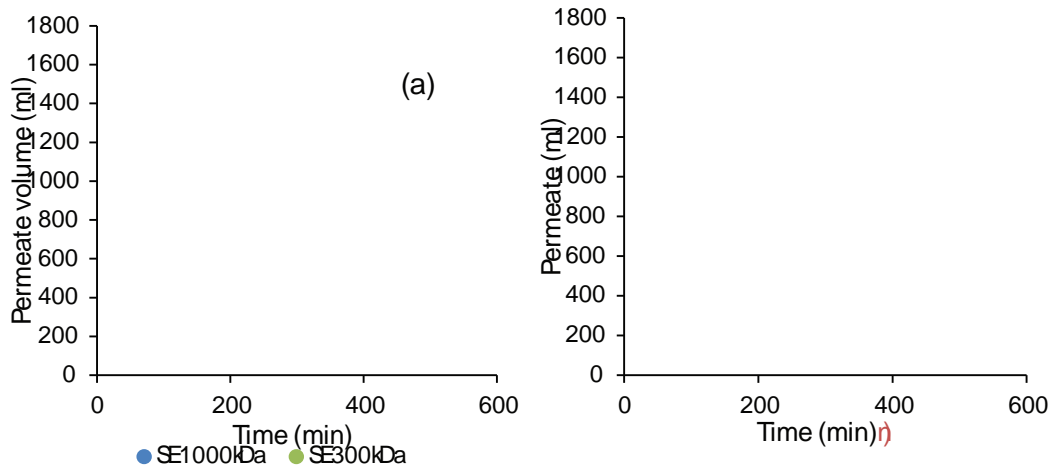
$$\text{MCF} = \frac{V_0}{V_r} \quad (4)$$

With V<sub>0</sub>: Initial volume (ml)

V<sub>r</sub>: Retentat volume (ml)

### Bio- oculant activity

The ultra filtered juice was used to treat water. A spectrophotometer was used to measure the absorbance and the yield was calculated. All is




References

SDUDPHWHUV MXLFH TXDOLW\ DQG PHPEUDQH IRX

1. 3LPLHQWDEDUULRV ( 3VSN\ SHOXDESHQWXLDW FURS IRU WKH  
 VHPL DULG ODQGRXBDQD[IRRSULG (QYLURQPHQWV ÉOYDUH] 6 5LHUD )\$ ÉOYDUH] 5 &RFD - 3H  
 FRPSRXQGV LQ UHYHUVH RVPRVLV 6HSDUDWLRQ D
2. 0DODLQLQH 0( 'XIUHVQH \$ 'XSHU\UH ' 0DKURX] 209-220.RQJ 5 HW DO  
 6WUXFWXUH DQG PRUSKRORJ\ RI FODGRGH DQG VSLQHV RI 2SXQWLD ¿FXV LQGLFD  
 &HOOXORVH H[WUDFWLRQ DQG FKDUDFWHUL]DWLRQ ELR\UHQDOKRL &DUEH\ \$UDWH 8W0PHUDWLRQ GIX  
 cactus marocain dans le traitement des rejets chargés de chrome (VI) par le  
 SURFpGp GH FRDJXODWLRQDORSXQDWHLFGH  
 SURFpGp GH FRDJXODWLRQDORSXQDWHLFGH
3. &DVVDQR \$ 'ULROLD ( \*DODYHUQDE \* 0DUFKHOOLE 5 6LOYHVWURF \* HW DO  
 &ODUL¿FDWLRQ DQG FRQFHQWUDWLRQ RI FLWUXVLELQ \$ FKURW\$MXLFH\$ EKROWHLUDWH 9DORU  
 PHPEUDQH SURFHVVHV -RXUQDO RI )RRG (QJLQHHLUDFWXV H[WUDFW LQ WKH SK\VLFR FKHPLFDO WU  
 ZLWK FRSSHU ]LQF DQG VVSHQGHG PDWWH 021-580
4. &DVVDQR \$ 'RQDR / 'ULROL ( 8OWUD¿OWUDWLRQ RI NLZLIUXLW MXLFH 2SHUDWLQJ

OMICS International: Open Access Publication Benefits & Features

- Unique features:
- Increased global visibility of articles through worldwide distribution and indexing
  - Showcasing recent research output in a timely and updated manner
  - 6SHFLDO LVVXHV RQ WKH FXUUHQW WUHQQV RI VFLHQWLAF
- Special features:
- 700+ Open Access Journals
  - 50,000+ editorial team
  - Rapid review process
  - Quality and quick editorial, review and publication processing
  - Indexing at major indexing services
  - Sharing Option: Social Networking Enabled
  - Open Access account for your subsequent articles
- Submit your manuscript <http://www.omicsonline.org/submission>

Citation: %HQ 0HVVDRXG + ( 0HMUL - 8OWUD¿OWUDWLRQ RI NLZLIUXLW MXLFH 2SHUDWLQJ  
 &DFWV -XLFH IRU ,QG XVWULDO 8VH 10.6172/2309.6PL 021-580