(Title) Journal Paper Template

David M. Warsingera, Kishor Nayara\*,

a School of Mechanical Engineering and Birck Nanotechnology Center, Purdue University, West Lafayette, IN, 47907, USA

**\*** Corresponding Author [advisersemail@mit.edu](mailto:advisersemail@mit.edu)

**Target journal:** Desalination

**Target Length:** 15-20 pages

**Deadlines?**

**Outlining To do:** sketch potential figures, note included equations, organize into subsections,

# Abstract

# Introduction

## Template Features

* Automatic number updating for: section and subsections, figures, tables, and equations
* Default Headings (Word Styles) formatted for typical Journal papers (to change fonts etc to different journal styles)
* Default and section fonts of typical Elsevier submissions (Calibri)
* 4 types of automatic citations set up (BibTex4Word, Reference Manager, MS Word references, Mendeley)

## How to use this document

## To have numbers for sections, figures, tables, and equations that auto update, simply copy the number you want from another section. Numbers update upon seeing the print preview.

## Start a paper with this document to keep the header and font formatting 1.

# Methodology

## Sub heading 1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table 2.1.** Sample Table | | | | | | |
|  | **Property** | **Source** | **T** | **S** | **P** | **Accuracy** |
|  |  |  | (°C) | (g/kg) | (bar) | (%) |
| 1. | Ρ | Isdale et al. & Millero et al. [3,4] | 0 – 180 | 0 – 160 | 1.01 - Psat | 0.1 |
| 2. | cp | Jamieson et al. [5] | 0 – 180 | 0 – 180 | 1.01 - Psat | 0.28 |
| 3. | H | IAPWS 2008 [6] | 10 - 120 | 0 - 120 | 1.01 - Psat | 1.5 |
| 4.. | µs | Derived: µw = g – (1000-S)\* |  |  |  |  |

Table 1.1 shows the range and validity of a few thermodynamic properties …..

Or use: **Table 2**

# Results and Discussion

## Equations

Equations numbered by section:

|  |  |
| --- | --- |
|  | (3.1) |
| **Table 3.1.** Sample | | |  |

(3.2)

Equations numbered throughout document (section break right here):

|  |  |
| --- | --- |
|  | (3) |

Don’t forget you can use cross reference to refer to tables, figures, etc such as **Figure 1** or equations (in tables like (3.1) or **Table 2.1** ) or with white text (as in (3.2)).

## Figures

|  |
| --- |
| C:\Users\David\Pictures\MD apparatus diagram, color.png |
|  |

**Figure 1.** 2 The numbering for figures can be by the total number of figures

1

**Figure 1**

Fig. 18

Fig. 1

|  |
| --- |
| C:\Users\David\Dropbox (MIT)\MD\1 Angle Paper\Effect of Module Inclination Angle on Air Gap Membrane Distillation -Final Version_files\image008.jpg |
| **Figure 3.2. [2]** Or the figure numbering can be based off the section number |

# Paper Planning

# Conclusions

Cited fact with BibTex4Word 2, 3

Cited fact with ReferenceManager [1, 2]

Cited fact with Microsoft Word references [1]

Cited fact with Mendely [2]

# Acknowledgements

The authors of this template would like to thank Evan Bordt and Andrew Horning for their contributions to this work.

# References

## BibTex Citation

## 1. D. M. Warsinger, J. Swaminathan, E. Guillen-Burrieza, H. A. Arafat, and J. H. Lienhard V, “Scaling and fouling in membrane distillation for desalination applications: A review,” *Desalination*, vol. 356, pp. 294–313, 2015.

## 2. D. M. Warsinger, J. Swaminathan, , H. W. Chung, S. Jeong, and J. H. Lienhard V, “The effect of filtration and particulate fouling in membrane distillation,” in *Proceedings of The International Desalination Association World Congress on Desalination and Water Reuse, San Diego, CA, USA*, Aug. 2015.

## 3. D. M. Warsinger, J. Swaminathan, and J. H. Lienhard V, “Effect of module inclination angle on air gap membrane distillation,” in *Proceedings of the 15th International Heat Transfer Conference, IHTC-15, Paper No. IHTC15-9351*, Kyoto, Japan August 2014.

## ReferenceManager Citation

1. J. O'M. Bockris, *Fundamental Aspects of Electrocrystallization*, Plenum, New York, 1967.

2. A. Brenner, *Electrodeposition of Alloys*, Vols. I and II, Academic, New York, 1963.

## Microsoft Word Citation

|  |  |
| --- | --- |
| [1] | D. M. Warsinger, J. Swaminathan, E. Guillen-Burrieza, H. A. Arafat and J. H. Lienhard V, "Scaling and fouling in membrane distillation for desalination applications: A review," *Desalination,* vol. 356, pp. 294-313, 2014. |

Document Revisions

|  |  |
| --- | --- |
| Date | Changes made |
| Oct 15, 2012 | Analyzed density variation with pressure using TEOS-10. Huge anomalies observed. |
| Oct 24, 2012 | Figured out error in units of p. Converted to gauge pressure in decibar (1 bar = 10 dbar). Revised all figures. Got good matches |