**Nabil Awni Said Nimer**

**نبيل عوني سعيد النمر**

**Nationality: British**/ **Jordan**

**Academic Rank**: Associate Professor

**Education**:

B.Sc. in Microbiology (Distinction) Kuwait University, Kuwait, 1986
Ph.D. in Biological Sciences (Microbiology) (British Council Fellowship), University of Wales, UK, 1993

**Research Areas**:

Microbiology, Epidemiology, Microbial Ecophysiology

Research Publications: h-index = 20, i10 index = 23, Citations = 1495 (Google Scholar)

**Experience**:

● 2014- till present Associate Professor, Faculty of Pharmacy, Philadelphia University

● 2011-2014 ,**Vice Dean Faculty of Science & Head of Department of Biotechnology**

 **& Genetic Engineering** **Dept**., Philadelphia University, Jordan

* 2010- present Finance and Admin manager in (Jordanian Humanitarian Resilience Society) JHRS, Amman Jordan
* 2010-2014,**Head of Department of Biotechnology & Genetic Engineering** **Dept**., Philadelphia University, Jordan
* 2005-2010 Assistant Professor, Biotechnology & Genetic Engineering Dept., Philadelphia University, Jordan
* 2002-2005 Assistant Professor, **Head of Department** **of Biotechnology & Genetic Engineering Dept**., Philadelphia University, Jordan
* 2000-2002: Part time assistant Professor Philadelphia University & Al-Zytoonah University, Jordan
* 1998-2000: Lecturer grade I A School of Biological Sciences, University of Wales Swansea UK.
* 1996-1998: Senior researcher School of Biological Sciences. University of Wales Swansea UK (NERC funded)
* 1995-1998: Senior Researcher (ECC funded)
* 1993-1995: Post Doctoral Senior Researcher. School of Biological Sciences. University of Wales, Swansea UK. (ECC, and NERC, UK funded)
* 1991-1993: Full time PhD Research student (British Council Fellowship). School of Biological Sciences, University of Wales Swansea UK.
* 1989-1991: External PhD Student. School of Biological Sciences. University of Wales Swansea, UK.
* 1986-1990: Research Assistant, Department of Botany and Microbiology, University of Kuwait.

**(A) Courses Taught:**

●Pharmaceutical Microbiology (Pharmacy)

●Microbiology and Immunolgy (Pharmacy)

●Parasitology (Pharmacy)

●Microbiology (Biotechnology, Nursing and Pharmacy)

●Virology

●Environmental Biotechnology

●General Biology (I and II) (Biotechnology, Nursing and Pharmacy)

●Cell Biology

●Introduction to Biotechnology

●Environmental Biotechnology

●Special topics

**(B) Refereed Publications**

1. Sallal,A-K.J. Ghannoum,M.A. Al-Hasan,R.H. Nimer,N.A. and Radwan, S.S. (1987) Lanosterol& diethyl-glycerophosphocholine in lipids from whole cells & thylakoids of the cyanobacterium Chlorogloeopsis fritschii "Archives of Microbiology 148:1-7.
2. Sallal,A-K.J. Al-Hasan,R.H. & Nimer,N.A. (1987)Localization of Glycollate dehydrogenase in Dunaliella salina " Planta 171: 429-432.
3. Sallal,A-K.J. and Nimer,N.A. (1988) The intracellular localization of malate dehydrogenase in Anacystis nidulans FEMS Microbiology Letters 50:151-155
4. Sallal,A-K.J. and Nimer,N.A. (1988) Shikonin isovalerate: An inhibitor to photosystem II in Chlorogloeopsis fritschii Archives of Microbiology 150: 519-522.
5. Sallal,A-K.J. and Nimer,N.A. (1989)The intracellular localization of glycollate oxidase in E.coli FEBS Letters 258:(2) 277-280.
6. Sallal,A-K.J and Nimer,N.A.(1990) The presence of glutamate dehydrogenase in Chlorogloeopsis fritschii FEMS Microbiology Letters 67: 215-220.
7. Sallal,A-K.J. and Nimer,N.A. (1990) The presence of malate dehydrogenase in thylakoids of Anabaena cylindrica, Nostoc muscorum and Chlorogloeopsis fritschii Zeitschrift fur Naturforschung. 45: 249-252.
8. Sallal,A-K.J. Al-Hasan,R.H. and Nimer,N.A.(1990) Effect of salinity on photosynthesis and Glycollate dehydrogenase of Spirulina subsalsa and Synechocystis sp. British Phycological Journal 25: 201-203.
9. Sallal,A-K.J. Nimer,N.A. and Al-Oriquat G. (1990)Inhibition of photosystem II in Chlorogloeopsis fritschii with shikonin acetate FEBS Letters 263: 248-250.
10. Sallal,A-K.J. Nimer,N.A. and Radwan,S.S. (1990) Lipids and fatty acid composition of fresh water cyanobacteria Journal of General Microbiology 136: 2034-2048.
11. Nimer,N.A. Sallal,A-K.J. Al-Hasan, R.H. and Merrett,M.J. (1990) The presence of glycollate dehydrogenase and glycollate oxidase in Dunaliella primolecta. Planta 181: 374- 377.
12. Nimer,N.A. Dixon,G.K. and Merrett,M.J. (1992) Inorganic carbon utilization by the Coccolithophorid Emiliania huxleyi. New Phytologist 120: 123-128.
13. Nimer, N.A. and Merrett,M.J. (1992) Calcification and utilization of inorganic carbon by the coccolithophorid Emiliania huxleyi. New Phytologist 121: 173-177.
14. Dong,L.F., Nimer,N.A. ,Okus,E. and Merrett, M.J. " Dissolved inorganic carbon utilization in relation to calcite production in Emiliania huxleyi (1993) New Phytologist 123: 679- 684.
15. Nimer, N.A. and Merrett, M.J. "Calcification rate in Emiliania huxleyi Lohmann in response to light, nitrate and inorganic carbon availability (1993) New Phytologist.123:673- 677.
16. Merrett, M.J., Dong,L.F. and Nimer,NA (1993) "Nitrate availability and calcite production in Emiliania huxleyi Lohmann" European Journal of Phycology 28: 243-246.
17. Sallal A-K.J, Nimer, NA & ElDurinin NM (1994). Effect of Gibberellic acid on photosynthetic electron transport reactions and nitrogenase activity in Anabeana cylindrica. Micobios.78:17-25.
18. Nimer, N.A., Guan, Q. and Merrett, M.J. (1994). Extra and intra cellular carbonic anhydrase in relation to culture age in a high-calcifying strain of Emiliania huxleyi Lohmann. New Phytologist. 126: 601-607.
19. Nimer,NA., Brownlee,C and Merrett,M.J.(1994). Carbon dioxide availability, intracellular pH and growth of Emiliania huxleyi (Lohmann). Marine Ecology Progress Series. 109:257- 262.
20. Sallal A-K.J & Nimer, NA (1994). Ethanolic dehydration and its effect on membrane bound enzymes of Chlorogloeopsis fritschii and Chlorella pyrenoidosa. World Journal of Microbiology. 10: 187-190.
21. Nimer,NA., Dong, L.F.,Guan,Q. and Merrett, M.J. (1995). Calcification rate, dissolved inorganic carbon utilization and carbonic anhydrase activity in Emiliania huxleyi. Proceedings of the Biomineralization symposium, Monaco. Physiology and Biomedical applications. 2: 43-49.
22. Brownlee,C., Davies,M., Nimer,N.A. ,Dong,L.F. and Merrett,M.J. (1995). Calcification, photosynthesis and intracellular regulation in Emiliania huxleyi" Proceedings of the - Biomineralization symposium, Monaco. Physiology and Biomedical applications. 2: 19- 35.
23. Nimer, N.A. and Merrett,M.J. (1995). Calcification rate in relation to carbon dioxide release, photosynthetic carbon fixation and oxygen evolution in Emiliania huxleyi. Proceedings of the Biomineralization symposium, Monaco. Physiology and Biomedical applications. 2: 37-42.
24. Nimer, NA. and Merrett, M.J. (1996). Dissolved inorganic carbon (DIC) utilization and extracellular carbonic anhydrase in marine phytoplankton species. Plant Physiology and Biochemistry. "Special Issue, 10th FESP Congress, Florence": 118-119.
25. Merrett,M.J., Nimer, N.A. and Dong,L.F.(1996). "The Utilization of bicarbonate ions by the marine microalga Nannochloropsis oculata (Droop) Hibberd. Plant, Cell & Environment. 19 (4): 478-484.
26. Nimer, NA. and Merrett, M.J. (1996) " The development of a CO2 concentrating mechanism in a high calcifying strain of Emiliania huxleyi Lohmann". New Phytologist 133: 383-389.
27. Nimer,NA., Brownlee,C and Merrett, M.J. (1996) " Inorganic carbon transport in relation to culture age in high calcifying cells of Emiliania huxleyi (Lohmann)." Journal of Phycology 32: 813-818.
28. Nimer,NA., Iglesias-Rodriguez, M.D. and Merrett, M.J. (1997) "Bicarbonate utilization by marine phytoplankton species." Journal of Phycology 33: 625-631.
29. Nimer,NA., Warren, M and Merrett, M.J. (1998) " The regulation of photosynthetic rate and activation of extracellular carbonic anhydrase under CO2-limiting conditions in the marine diatom Skeletonema costatum." Plant, Cell & Environment. 21: 805-812.
30. **Nimer,** NA., Brownlee C. & Merrett MJ. (1999) Extracellular carbonic anhydrase facilitates CO2 transport for photosynthesis in the marine dinoflagellate Prorocentrum micans. Plant Physiology. 120: 105-111.
31. **Nimer, NA**., Ling, MX Brownlee, C. & Merrett, MJ. (2000) Inorganic carbon-limitation, Exofacial carbonic anhydrase and plasma membrane redox activity in marine phytoplankton species. Journal of Phycology. 35: 1200-1205.
32. R,J,AlSaada, Y.K.Abutalib **N.A.Nimer** & G.A.Al Weshah, (2013)Supply Chain Management and its effects on health care service quality: Quantitative Evidence from Jordanian Private Hospitals. Journal of Management &Strategy (Vol 4, No.2, May 2013).

# Nimer,NA., Saada RJ, & Abuelaish O. (2016) Investigation of the accuracy of the VITEK 2 system for a rapid and direct identification and susceptibility testing of Gram negative rods and Gram positive cocci in blood sample. Eastern Mediterranean Health Journal. (WHO) Vol.22,No.3: 193-200

# Nimer N.A. (2018) A Review on Emerging and re-Emerging Infectious Diseases in Jordan; the Aftermath of the Syrian Crisis. Canadian Journal of Infectious Diseases and Medical Microbiology. 2018:1-8

# Nimer, N.A. (2019) A Review on Emerging and re-Emerging Infectious Diseases in Jordan; the Aftermath of the Syrian Crisis. Journal of Pakistan Medical Association. 69 (3); 412-414

# Nimer, N.A. *et.al.* (2019) Evaluating Antibiotic Sensitivity Patterns of Pseudomonas in Relation to Specimen Type in Jordanian Hospital. Journal of Pakistan Medical Association. 96 (2): 168-173.

# Air Antagonists in Chronically Mediated COVID 19 Infected Patients: A Literature Review. (2020). SAADI NI, Nimer NA , ……. Journal of Critical Reviews. 7 (19) 8208-8214.

# Antimicrobial resistance and presence of Class 1 integrons in Pseudomonas aerogenosa isolates from burn and wound infections. Hammadi,A., Aga, Q, NIMER NA … (2020) Journal of Pharmaceutical Negative Results. 11 (1) 19-22.

# Enabling a Supply Chain Scor Model for Strategic Decision Making and Growth of the Higher Education Sector in Jordan. (2022) R.J Saada, N.A.Nimer ……

#  Journal of Southwest Jiotong University. 57(4), 522-531

# Nimer, N.A.(2022)Nosocomial Infection and Antibiotic Resistant threat in the Middle East. Infection and Drug Resistance. 15,631-639.

 **(C) Books and Technical Reports**

1. Harris R., Burkill P., Green J.,Taylor R.,Tarran G., Tyrell T., Lesley D., Purdie D., Crawford D., Weston K., Saunders S., Eglinton G., Conte M., Barker G., Thompson T., Westbroek P., Smith M., Corstens P., Heimdal B., Aksnes D., Bratbak G., Heldal M., Egge J., Fagerbakke K. Batvik H., Norland S., Pettersson L., Miles M., Kloster K., Thigstad F., Brownlee C., Merrett M., Nimer N., Anadon R., Fernandez E., Young J., Medlin L., Kooijman S., Zonneveld C., Paasche E., Kristainsen S., Neilsen M., & Sakshaug E. September 1993.First Progress Report. "Coccolithophorid dynamics: The European Emiliania huxleyi programme.
2. Harris R., Burkill P., Green J.,Taylor R.,Tarran G., Tyrell T., Lesley D., Purdie D., Crawford D., Weston K., Saunders S., Eglinton G., Conte M., Barker G., Thompson T., Westbroek P., Smith M., Corstens P., Heimdal B., Aksnes D., Bratbak G., Heldal M., Egge J., Fagerbakke K. Batvik H., Norland S., Pettersson L., Miles M., Kloster K., Thigstad F., Brownlee C., Merrett M., Nimer N., Anadon R., Fernandez E., Young J., Medlin L., Kooijman S., Zonneveld C., Paasche E., Kristainsen S., Neilsen M., & Sakshaug E. September 1994. Second Progress Report. "Coccolithophorid dynamics: The European Emiliania huxleyi programme.
3. Merrett M.J., Nimer N.A. and Brownlee C. September 1994. Final Report. (NERC) "Regulation of calcification and cellular homeostasis in coccolithophores".
4. Brownlee,C., Nimer,N.,Dong,L.F. and Merrett,M.J.(1994)."Cellular regulation during calcification in Emiliania huxleyi" In: Biology of the Prymnesiophytes. J.Green and Leadbeater (Eds.), Claredon Press, Oxford. pp133-148.
5. Harris R., Burkill P., Green J.,Taylor R.,Tarran G., Tyrell T., Lesley D., Purdie D., Crawford D., Weston K., Saunders S., Eglinton G., Conte M., Barker G., Thompson T., Westbroek P., Smith M., Corstens P., Heimdal B., Aksnes D., Bratbak G., Heldal M., Egge J., Fagerbakke K. Batvik H., Norland S., Pettersson L., Miles M., Kloster K., Thigstad F., Brownlee C., Merrett M., Nimer N., Anadon R., Fernandez E., Young J., Medlin L., Kooijman S., Zonneveld C., Paasche E., Kristainsen S., Neilsen M., & Sakshaug E. September 1995. Final Report. "Coccolithophorid dynamics: The European Emiliania huxleyi programme.
6. Merrett M.J., Nimer N.A. and Brownlee C. (1998) Final report (NERC) "Mechanisms of inorganic carbon transport in phytoplankton spp. and their possible influence on PCO2 in the oceans."
7. Nanomedicines in Tuberculosis: Diagnosis, Therapy and Nanodrug Delivery. (2020) AN Dukkah, Y. Bataineh…… **Nimer NA.** In Integrative Nanomedicine for New Therapies. 357-404
8. Pharmacology of neuropeptides: substance p,vasoactive intestinal peptides, neuropeptide Y, calcitoninpeptides and their receptors (2020) **Nimer N.A.** et alIn: Fronteiers in Pharmacology of Neurotransmitters. 503-551

 **(D) Conference Presentations**

1. Cellular regulation and control during calcification in Emiliania huxleyi. The Biology of Prymnesiophyta. Plymouth, UK. March, 1993.
2. Calcification rate, dissolved inorganic carbon utilization and carbonic anhydrase activity in Emiliania huxleyi. "Biomineralization 93". The seventh International symposium on Biomineralization. Monaco. Nov. 1993.
3. Calcification, Photosynthesis and intracellular regulation in Emiliania huxleyi. "Biomineralization 93". The seventh International symposium on Biomineralization. Monaco. Nov. 1993.
4. Inorganic carbon utilization by high calcifying cells of Emiliania huxleyi. "Emiliania huxleyi and the Oceanic Carbon Cycle". Natural History Museum, London, UK April, 1995.
5. Mechanisms of Dissolved Inorganic Carbon Utilization by Marine Phytoplankton species. British Phycological Society Winter Meeting. Lancaster, UK. 2-5 Jan.1996.
6. Dissolved inorganic carbon (DIC) utilization and extracellular carbonic anhydrase in marine phytoplankton species. The 10th FESPP Congress " From Molecular Mechanisms to the Plant: an Integrated Approach" Firenze, Italy. 9 - 13 Sept. 1996.
7. CO2 availability, extracellular carbonic anhydrase activity and the regulation of photosynthetic rate in Skeletonema costatum. British Phycological Society Winter Meeting. Shefield UK. 2-5 Jan. 1997.
8. Short-term regulation of extracellular carbonic anhydrase activity in the marine diatom Skeletonema costatum. Third International Symposium on Inorganic Carbon Utilization by Aquatic Photosynthetic Organisms. University of British Columbia. Vancouver Canada July 28 - August 1, 1997.
9. The role of extracellular carbonic anhydrase in the marine dinoflagellate Prorocentrum micans. Third International Symposium on Inorganic Carbon Utilization by Aquatic Photosynthetic Organisms. University of British Columbia. Vancouver Canada July 28 - August 1, 1997.
10. Extracellular carbonic anhydrase in relation to photosynthetic rate in the marine dinoflagellate Prorocentrum mincans. British Phycological Society Winter Meeting. Royal Holloway, UK. 5-8 January 1998.
11. Extracellular carbonic anhydrase (CAext) facilitates CO2 transport in the marine dinoflagellate *Prorocentrum mincans*. British Phycological Society Winter Meeting Dundee, UK 4-8 January 1999.
12. Human activities, phytoplankton and global carbon cycle. (2004)

مؤتمر العلوم الحياتية و المجتمع: الخدمات والعوائق جامعة اليرموك 12-14 تشرين اول 2004 الاردن

1. Antibody Based Technologies and Monitoring Environmental Xenobiotics.

The 4th Int. Jordanian Congress of Allergy and Immunology. Sept. 19-21, 2012.

**(E)Reviewing activities:**

1. External examiner to **12** M.Sc. students at Jordan University of Science &

Technology 2002-2013

1. Reviewed 2 textbooks to مؤسسة عبدالحميد شومان
2. Reviewed 2 textbook to جائزة فيلادلفيا لاحسن كتاب
3. تحكيم 6 مقالات علمية لمجلة :المجلة الاردنية للعلوم الحياتية- الجامعة الهاشمية

**(F) Environmental related workshops and committees**

1. **تنظيم واعطاء الدورات التالية:**

 **- السلامة والامن في المختبرات الكيميائية و البيولوجية**

**24-26 June, 2012**, Philadelphia University, Jordan

 **- .إدارة الجودة الشاملة في المختبرات**

**18-24** **January, 2013** Philadelphia University, Jordan

1. **عضو لجنة تحليل الوضع الحالي للمختبرات الوطنية العاملة في مجال التكنولوجيا الحيوية ووضع المعايير في اختيار المختبرات المرجعية / وزارة البيئة 12/2012 .**
2. **عضو لجنة موضوع تأثير النباتات المعدلة جينياً على التنوع الحيوي / وزارة البيئة 10/2012.**
3. **عضو لجنة مشروع الحديقة النباتية الطبية – كلية العلوم – جامعة فيلادلفيا.**
4. **عضو لجنة تأسيس مختبرات التقنيات الحيوية وهندسة الجينات– كلية العلوم جامعة فيلادلفيا.**
5. **عضو لجنة تأسيس مختبر الكيمياء في جامعة فيلادلفيا .**
6. **عضو لجنة السلامة في مجال Biosafety & Biosecurity . كلية العلوم جامعة فيلادلفيا.**

 **8 .عضو لجنة:**

 **National Action Plan to Combat Antimicrobial Resistance in HKJ (2018-2022)**