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|  | Dr. Nael S. Abu Hasan |
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|  | **An Najah National University****Department of Biology and Biotechnology, Nablus, Palestine**00972 92341962 – mobile: 00970 599 265620nabuhasan@najah.edu - hijustmen@yahoo.co.uk www.najah.edu |

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|  | **Education**B. Sc. degree in Biology - Damascus University – Syria 1975English Language - Denver University, Colorado U.S.A 1976 M. Sc. Biology - Eastern New Mexico University U.S.A 1984 Ph. D. Genetic - University of Glasgow, U.K 1984**Rewards and Grants**1. British Council Scholarship 1980-1983
2. Overseas Research Students awards - U. K 1983
3. An- Najah National University Scholarship 1983-1984
4. AMID EAST research grant 1987
5. AMID EAST research grant 1991
6. DAAD research short term visit 1998
7. Third Word Academy of Science (TWAS) research grant, 1998
8. Islamic Educational, Scientific and Cultural Organization (ISESCO) research grant, 1999

**Participation in Scientific Meetings*** Umea Satellite Meeting on Alkaline Phosphates, University of UMEA, SWEDEN September 15-17 1983
* Matron-Fetal Immunobiology Meeting, University of St. ANDREWS, U.K, 3rd February 1984
* Scottish Protein Group Meeting, Uni of St. ANDREWS, U.K 10th March 1984
* Agricultural Biological Meeting, An-Najah University, May 1985
* The 28 Science Week, University of Damascus, Syria 5-11 Nov. 1988
* Genetic Applications, University of Bagdad, Iraq, August, 1990
* School Health Environment – European Public Health Association. Annual meeting 12-14 December 1996 - Gaza city
* Al-Quds University Second Scientific Day March 13th 1998
* Helmholtz Dead Sea project – Atmosphere and Climatic Exploitation of the Industrial potential and nanotechnology. March 22-24, 2005
* 5th National Palestinian Thalassemia Conference **-** Thalassaemia…New Challenges. Ramallah-Palestine,on 07-08 May 2014.
* Several other international and local meetings were also attended

**Research background and interest**My research program during my postgraduate work was centered on Human Placental Alkaline Phosphates, which is bound to the Human cynsitiotrophoblastic microvilli. During this work I gained experience in the following techniques:Membrane preparations, Protein extraction and purification using gel filtration, ion-exchange chromatography, Poly Acrelamide gel electrophoresis, Immune electrophoresis, Handling of radioactive materials, Enzymatic assays and Recombinant DNA technology. After graduation, I was a part of a research work screening team working on the polymorphism of 3-B-hydroxy steroid dehydroginase gene using polymerase chain reaction (PCR). I also gained experience in the fields of cytogenetics and molecular genetics. This was achieved through three short term visits supported by the British Council. Over the past 25 years, I was supervisor for more than 20 M. Sc students working in different biological aspects with the following aims: * The development of a national antibiotic policy
* The detection of mainly viral epidemics
* The differentiation of epidemic from endemic infections
* The understanding of the trends of resistance
* Studying the genetic and molecular mechanisms responsible for the emergence of drug resistance

**Experience**1. Lecturer at An Najah National University 1978-1980
2. Demonstrated practical genetics to under graduate students 1980-84
3. Lecturer at An Najah National University 1984- to present

During this period I taught the following courses: Genetics, Medical Genetics, Special Topics in Protein Chemistry, General Biology, Embryology and Invertebrate Zoology, Advanced population Genetics and Advanced Biochemistry**Administrative Background**1. Chairman of the Department of Biology for more than 10 years started from 1986
2. Member of the Faculty of Science committee 1986; 87;92 and 98
3. Member of the Editorial Board of An Najah Journal for Natural Sciences 1995-96
4. Member of several departmental committees since 1983

**Published Work**1. NS Abu-Hasan - 1983‏ Studies on human placental alkaline phosphatase. PhD thesis - theses.gla.ac.uk. Glasgow Theses Service http://theses.gla.ac.uk/ theses@gla.ac.uk Abu-Hasan, Nael Sudqi (1983).
2. N. S. Abu-Hasan and R. G. Sutcliffe. 1984. Molecular heterogeneity of Human Placental Alkaline Phosphates Associated Microvillus Membranes. Human Alkaline Phosphates, pages, 117-126 Publisher Alan R. Liss, Inc., 150 fifth ave, New York, NY
3. Abu-Hasan, N.S. Davies, M. and Sutcliffe, R.G. 1984. A high molecular weight species of placental alkaline phosphates in human syncytiotrophoblast microvilli. Placenta 5, 159-174
4. Abu-Hasan, N.S. and Sutcliffe, R.G, 1984. Purification and analysis of the microvillous(M) and A forms of placental alkaline phosphates. Placenta 5, 71-82
5. Abu-Hasan, N.S. and Sutcliffe, R.G, 1985. Placental alkaline phosphates integrates via its carboy-terminus into the microvillous membrane : its allotypes differ in conformation Placenta 6, 391-404
6. Livingstone, J.C., Abu-Hasan, N.S., Clegg, R.J., Henderson, S.J., Marsden, H.S. and Sutcliffe, R.G. 1987. Structural relationships between the isoenzymes of human placental alkaline phosphates: a serum factor converts M-PLAP to A-and B-PLAP. Placenta 8, 305-318
7. Adwan K. and Abu-Hasan N. Gentamicin resistance in clinical strains of Enterobacteriaceae associated with reduced gentamicin uptake. Folia Microbiol 1998; 43(2): 438-440
8. Adwan K., Abu-Hasan N. and Al-Asmar H. Analysis of neomycin, kanamycin, tobramycin, and amikacin resistance mechanisms in gentamicin-resistant isolates of Entero-bacteriaceae. J. Medical Microbiology 1998; 47: 1091-1021
9. Adwan K., Abu-Hasan N., Hamdan A. and Al-Khalili S. High incidence of penicillin resistance amongst clinical isolates of S. pneumoniaea in northern Palestine. J. Med. Microbiol 1999; 48:1-4
10. Adwan K., Abu-Hasan N. and Abu-Zant A. Typing of methicillin-resistant Staphylococcus aureus by quantitative antibiogram and arbitrarily primed PCR. Assiut Med. J. 2001; 25: 65-72
11. Abu-Hasan N., Daragmeh M., Adwan K., Al-Qaoud K. and Abdel-Hafez SK. Human cystic echinococcosis in the West Bank of Palestine: surgical incidence and sero-epidemiological study. Parasitological Res. 2002; 88:107-112
12. Adwan K., Abu-Hasan N., Essawi T. and Bdir M. Isolation and characterization of Shiga toxigenic Escherichia coli strains from northern Palestine. J. Medical Microbiology. 2002; 51: 1-4
13. Essawi T., Adwan K., Abu-Hassan N., Adwan G., Saleh A. Typing of Methicillin-Resistant Staphylococcus aureus by Ribosome Spacer and Arbitrarily Primed Polymerase Chain Reaction. Tur J Med Sci. 2004; 43:5-9
14. Adwan K., Abu-Hasan N., Adwan G., Jarrar N., Abu-Shanab B. and Al-Masri M. Molecular Epidemiology of Antibiotic-Resistant Escherichia coli Isolated from Hospitalized Patients with Urinary Tract Infections in Northern Palestine. Polish Journal of Microbiology. 2004; 53:23-26
15. Rola I. Jadallah, Ghaleb M.Adwan, Nael S. Abu Hasan. "Prevalenceof Hepatitis B Virus markers among high risk groups" Medical Journal of Islamic World Academy of Sciences; 2005; 15(4): p 157-60.
16. Adwan K., Abu-Hasan N., Adwan G., Jarrar N., Abu-Shanab B, Abu-Zant A. Nosocomial infection caused by methicillin-resistant Staphylococcus aureus in Palestine. Journal of Microbial Drug Resistance
17. Adwan, K. Abu-Hasan N., Adwan G., and Abu-Khater K. HBV vaccination of household contacts of HBV carriers in Northern Palestine. Eastern Mediterranean Health Journal.
18. S. Fekri, N. Abu-Hasan, K. Adwan Hepatitis C virus among hemodialysis patients in Northern part of Palestine. 2006; AUMJ, Vol: 33 (Issue: 1), p: 15-22
19. Murad Abualhasan, Nidal Jaradata, Nael Abu-Hasan, Motasem Almasri, Adham Abu Taha, Ahmad rabbaa, Norr natsheh, and Majdi Najib. Bioactivity of viscus Album extracts from olive and almond host plants in Palestine. 2014; Pharmacogno Journal 6 (2), 38-44
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