

Mohammad Ahmad Suleiman Bani-Ahmad



Associate Professor / Hematology and Transplantation Sciences

Department of Medical Laboratory Sciences

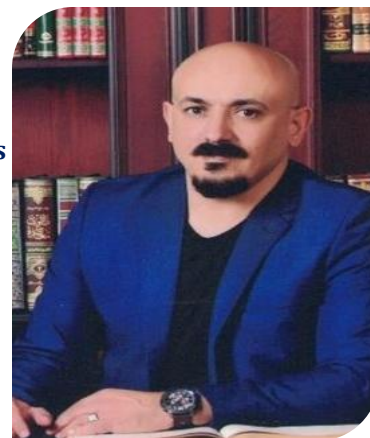
Faculty of Applied Medical Sciences

Jordan University of Science and Technology

P.O. Box (3030), Irbid 22110, Jordan

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☎ 00962-79-014-9244



Education

Doctor of Science (D. Sc.)

Aug 2005 – Jun 2009

Clinical Sciences / Hematology and Transplantation Sciences

University of Kentucky, Lexington, KY, USA

Master of Science (M. Sc.)

Aug 2001 – Jun 2004

Medical Laboratory Sciences / Hematology and Blood Banking

Jordan University of Science and Technology, Irbid, Jordan

Bachelor of Science (B. Sc.)

Aug 1996 – Jun 2001

Medical Laboratory Sciences

Jordan University of Science and Technology, Irbid, Jordan



Academic Experience

Associate professor

Feb 2018 – till now

Department of Medical Laboratory Sciences / Faculty of Applied Medical Sciences

Jordan University of Science and Technology (JUST) Irbid, Jordan

Visiting Associate professor

Oct 2022 – Oct 2024

Department of Medical Laboratory Sciences / Faculty of Allied Medical Sciences

Jadara University / Irbid, Jordan

Assistant professor

Dec 2009 – Feb 2018

Department of Medical Laboratory Sciences / Faculty of Applied Medical Sciences

Jordan University of Science and Technology (JUST) Irbid, Jordan

Full-Time Lecturer

Sep 2009 – Dec 2009

Department of Medical Laboratory Sciences / Faculty of Applied Medical Sciences

Jordan University of Science and Technology (JUST) Irbid, Jordan

Research assistant

Feb 2006 – Aug 2008

Department of clinical sciences / College of health sciences

University of Kentucky, Lexington, KY, USA

Laboratory instructor

July 2004 – June 2005

Department of medical laboratory sciences / Faculty of applied medical sciences

Jordan University of Science and Technology (JUST), Irbid, Jordan



Administrative Experience

Chairman (Head)

Sep 2018 – Apr 2022

Department of medical laboratory sciences / Faculty of applied medical sciences
Jordan University of Science and Technology (JUST) Irbid, Jordan

Chairman (Acting Head)

Sep 2010 – Sep 2012

Department of medical laboratory sciences / Faculty of applied medical sciences
Jordan University of Science and Technology (JUST) Irbid, Jordan



Academic Duties and Responsibilities

- Dedicating oneself to academic responsibilities within the university, striving to enhance its scientific mission, and maintaining the level befitting its status in research, teaching, guidance, and administration.
- Contribute into the planning, establishing and developing undergraduate and graduate academic curriculums.
- Academic teaching and instructing and conducting examinations.
- Carrying out innovative research and studies.
- Instructing and Supervising graduate theses and scientific/social research, guiding students academically and ethically, and monitoring their activities and reports.
- Providing academic advising and assistance for students.
- Participation in the institutional (departmental, college and university) councils and committees.
- Contributing to institutional administrative duties and responsibilities.
- Undertaking activities that promote the national and international reputation of the university and contributes to its advancement.
- Serving the community and contributing to its development.



Memberships / Committees

• INTERNATIONAL MEMBERSHIPS

2022 – Now: An Advisory Board Member

Medical Laboratory Sciences Program - Gulf Medical University
Dubai - United Arab Emirates (UAE)

European Hematology Association (EHA)

Koninginnegracht 12B, 2514 AA Den Haag, Netherlands

International Society of Blood Transfusion (ISBT).

Marnixstraat 3171016 TB Amsterdam, The Netherlands.



Memberships / Committees

(Cont.....)

- **NATIONAL MEMBERSHIPS**

2022-2024: An Advisory Board member

Department of Medical Laboratory Sciences - Jadara University - Irbid – Jordan

2022 Head of the Higher Education Accreditation Committee:

For the accreditation of the Medical Laboratories Sciences program at University of Jordan, Amman -Jordan

2015 Member of the Higher Education Accreditation Committee:

For the accreditation of the Medical Laboratories Sciences program at Al-Albayt University, Al-Mafraq - Jordan

2013 Member of the Higher Education Accreditation Committee:

For the accreditation of the Medical Laboratories Sciences program at the Al-Ahlyia Amman University (Amman / Jordan)

2012: Member of the Higher Education Accreditation Committee:

For the accreditation of the Medical Laboratories Sciences program at Mutah University (Al Karak / Jordan)

2012: Member of Licensing and practicing professions committee

Ministry of Health, Amman, Jordan.

2011: Member of the committee assigned to revise the Medical Laboratory regulations and accreditation

Ministry of Health, Amman, Jordan.

- **INSTITUTIONAL (JUST) MEMBERSHIPS**

2018-2019: Member of the Animals Care and Use Committee.

2013: Member of the *examination and interviewing committee* of applicants to laboratory Technician position at *JUST medical Center*

2010-2012: Member of the Graduate Studies Council

Member – Representative of the Department (MLS)

- **Faculty (Faculty Applied Medical Sciences) Memberships**

2024: Member of the “**Smoking Cessation Committee**”

2022: Member of the committee for the renewal of the accreditation of the faculty of Applied Medical Sciences by the “**Accreditation Service of International Schools (ASIC)**”.

2018/2019 - 2020/2021:

: Member of the **Faculty Council** (MLS Chairman)

: Member of “**Graduate Studies Committee**”



Memberships / Committees

(Cont.....)

2020 – 2021: “Academic Accreditation Committee”

: **“Programs Curriculums Committee”**

: **“Quality Control and Assurance Committee”**

: **“Strategic Planning Committee”**

: **“Courses Accreditation and Equivalency Committee”**

2010/2011- 2011/2012

: Member of the **Faculty Council** (MLS Chairman)

: Member of the **“Graduate studies committee”**

2011: Member of the committee of **“Dress Code”**.

2011: Member of the committee of **“Code of conduct”**.

2012/2013 – 2017/2018: Member of the Academic Curriculum, Training, and Accreditation

• **DEPARTMENT (MLS) MEMBERSHIPS**

2025/2026:

: Member of **“Scientific Research Committee”**

: Member of **“Academic Curriculum Committee”**

: Member of **“Quality Assurance and Accreditation Committee”**

2018/2019 – 2020/2021 Chairman of the MLS Department

: Head of the **“Department (MLS) Council”**

: Head of **“Graduate Studies Committee”**

: Head of **“Scientific Research Committee”**

: Head of **“Academic curriculum and Accreditation”**

2012/2013 -2017/2018: Member of

: The **“Scientific research committee”**

: The **“Graduate Studies Committee”**

2010/2011 -2011 /2012: Chairman **“Department of MLS Council”**

: Head of the **“Graduate studies committee”**

: Head of **“Scientific Research Committee”**



Awards

M.S. Rawlins award (Fall 2008/2009):

College of Health Sciences, University of Kentucky, Lexington, KY, USA

Rock-Castle award (Fall 2008/2009):

Graduate School, University of Kentucky, Lexington, KY, USA

M.S. Rawlins award)Spring 2007/2008):

College of Health Sciences, University of Kentucky, Lexington, KY, USA



Publications

Mohammad A. Bani-Ahmad, Jehad F. Hmood. *Awareness and Fearfulness Toward Blood Donation among Eligible Jordanian Donors. " On preparation"*

Mohammad A. Bani-Ahmad, Jood M. Hashim, , Alia S. Khawaldeh, Ibrahim A. Al-Odat, Saad A. Al-Fawaeir, Abdelraheem A. Bani Ahmad, Hiba A. Nazazleh. *Iron Deficiency is Associated with Impaired LH surge among Females on Reproductive Age. (Submitted).*

Mohammad A. Bani-Ahmad, Mohmmad A. Qudah, Ahmad A. Qudah. *The Clinical Predictivity of Circulatory Levels of Vascular Endothelial Growth Factor, Platelets-Derived Growth Factor, and Thrombospondin of Occurrence and Recurrence of Venous Thromboembolism Events. (Submitted)*

Belal A. Al-Husein, **Mohammad A. Bani Ahmad**, Rand M. Nofal. *YM155 Restores Effect of Imatinib in Imatinib-Resistant Chronic Myeloid Leukemia Cell Lines". (Submitted)*

Mohammad A. Bani-Ahmad, Belal A. Al-Husein, Diala Q. Alshaabi, Duaa A. Aldmour, Yasmeen E. Ghanim and Rahaf F. Al Deqah. *The predictivity of hematological parameters and related inflammatory biomarkers of male subjects with chronic polysubstance use disorder. Brain Behav Immun, 2025; 48: 101095 (DOI: 10.1016/j.bbih.2025.101095)*

Refat Nimer, **Mohammad Bani Ahmad**, Ezzat A. Alhabbal, Motaz A.Obeidat. *Assessment of lipid peroxidation markers in type 2 diabetes patients with and without diabetic kidney disease. J of Med Pharm Chem Res. 2026; 8 (2): 220-232 (DOI: 10.48309/jmpcr.2026.510326.1621)*

Mohammad A. Bani-Ahmad, Noor E. S. Abu Tayyem. *The Modulation of Euglycemic Endocrine and Exocrine Pancreatic Secretions in Iron Deficiency. Med Princ Pract. 2024 Mar 13;33(3):260–268. (DOI: 10.1159/000538335)*

Mohammad A. Bani-Ahmad, Duaa Ghanem. *Prognostic value of circulatory growth factors to predict responsiveness to chemotherapy and remission status of patients with acute myeloid leukemia. Arch Med Sci 2024;20(6):1887-1893. (DOI: 10.5114/aoms/185617)*

Alewaidat H, Bataineh Z, **Bani-Ahmad M**, Alali M, Almakhadmeh A. *Investigation of the diagnostic importance and accuracy of CT in the chest compared to the RT-PCR test for suspected COVID-19 patients in Jordan. F1000Res. 2023 Nov 13;12:741. (DOI: 10.12688/f1000research.130388.1)*



Publications (Cont.)

Mohammad A. Bani-Ahmad, Ayman G. Mustafa, Abdelraheem A. Bani Ahmad, Islam E. Alkhazali, Ahmad A. Rahim. *Evidence on the Heroin-mediated impairment of the oxidative status of Erythrocytes. Journal of Toxicology* 2022, 2022. (DOI: [10.1155/2022/3996051](https://doi.org/10.1155/2022/3996051))

Mohammad A. Bani-Ahmad, Marya M. Obeidat, Marah H. Ahmad, Mousa Barqawi. *The modulation of Plasma Levels of Dopamine, Serotonin and BDNF in Children with Iron Deficiency Anemia. Acta Biomedica.* 2022; 93 (6) (DOI: [10.23750/abm.v93i6.13276](https://doi.org/10.23750/abm.v93i6.13276))

Omar F. Khabour, Karem H. Alzoubi, Nour Al-Sawalha, **Mohammad Bani Ahmad**, Alan Shihadeh, Thomas Eissenberg. *The effect of chronic exposure to waterpipe tobacco smoke on airway inflammation in mice. Life Sciences.* 2018; 1;200:110-114. (DOI: [10.1016/j.lfs.2018.03.034](https://doi.org/10.1016/j.lfs.2018.03.034))

Mohammad Bani-Ahmad, Suleiman Al-Sweedan, Mohammad Al-Asseiri, Ahed. Alkhatib. *A proposed kinetic model for the diagnostic and prognostic value of WT1 and P53 in Acute Myeloid Leukemia. Clin Lab.* 2018; 64 (3) :357-363. (DOI: [10.7754/Clin.Lab.2017.170915](https://doi.org/10.7754/Clin.Lab.2017.170915))

Mohammad Bani-Ahmad, Ayman Mustafa, Abdelraheem Bani-Ahmad, Ahmed M. Abdal Rahim. *Assessment of Oxidative Stress of Platelets among Chronic Heroin and Hashish Addicts. Hum Exp Toxicol* 2018;37(10):1017-1024 (DOI: [10.1177/0960327118756](https://doi.org/10.1177/0960327118756))

Bani-Ahmad MA, Khabour OF, Gharibeh MY, Alshlool KN. *The impact of multiple blood donations on the risk of cardiovascular diseases: Insight of lipid profile. Transfus Clin Biol.* 2017; 24(4): 410-416. (DOI: [10.1016/j.traccli.2017.07.001](https://doi.org/10.1016/j.traccli.2017.07.001))

Alqudah M, Qandeel H, Al-Zoubi N, Alqudah A, **Bani-Ahmad M**, Alzoubi A. *Changes of serum growth factors profiles in patients with venous thromboembolism. Scand J Clin Lab Invest.* 2017; 77(8): 595-600. (DOI: [10.1080/00365513.2017.1379607](https://doi.org/10.1080/00365513.2017.1379607))

Mustafa AG, **Bani-Ahmad MA**, Jaradat AQ, Allouh MZ. *Tempol protects blood proteins and lipids against peroxynitrite-mediated oxidative damage. Exp Biol Med.* 2015; 240(1):109-12. (DOI: [10.1177/1535370214546291](https://doi.org/10.1177/1535370214546291))

Khabour OF, Alzoubi KH, **Bani-Ahmad M**, Dodin A, Eissenberg T, Shihadeh A., "Acute exposure to waterpipe tobacco smoke induces changes in the oxidative and inflammatory markers in mouse lung.," *Inhalation Toxicology*, 2012; 24 (10):667-675. (DOI: [10.3109/08958378.2012.710918](https://doi.org/10.3109/08958378.2012.710918)).



Publications (Cont.)

Muhammed Al-Jarrah, **Mohammed Bani Ahmad**, Mikhled Maayah, Ahed Al-Khatib. *Effect of Exercise Training on the Expression of p53 and iNOS in the Cardiac Muscle of Type I Diabetic Rats. J Endocrinol Metab*, 2012; 2(4-5): 176-180. (DOI: 10.4021/jem123e)

Khabour OF, **Bani-Ahmad MA**, Hammash NM. *Association between polymorphisms in erythropoietin gene and upper limit haematocrit levels among regular blood donors. Transfus Clin Biol.* 2012; 19(6):353-7. (DOI: 10.1016/j.traccli.2012.10.001)

Bani-Ahmad M, El-Amouri IS, Tang-Feldman Y, Lin F, Ko C, Pomeroy C, Oakley OR. *Role of Decay Accelerating Factor (DAF/CD55) in the immunopathogenesis of murine cytomegalovirus (MCMV). Clin Exp Immunol.* 2011 Feb;163. (DOI:10.1111/j.1365-2249.2010.04284.x)

El-Amouri IS, **Bani-Ahmad M**, Tang-Feldman Y, Lin F, Ko C, Pomeroy C, Oakley OR. *Increased morbidity and mortality in murine cytomegalovirus-infected mice following allogeneic bone marrow transplant is associated with reduced surface decay accelerating factor expression. Clin Exp Immunol.* 2010 Nov;162(2):379-91. (DOI: 10.1111/j.1365-2249.2010.04241.x).

Inayat MS, El-Amouri IS, **Bani-Ahmad M**, Elford HL, Gallicchio VS, Oakley OR. *Inhibition of allogeneic inflammatory responses by the Ribonucleotide Reductase Inhibitors, Didox and Trimidox. J Inflamm (Lond).* 2010 Aug 18;7:43. (DOI: 10.1186/1476-9255-7-43)

Oakley OR, Kim H, El-Amouri I, Lin PC, Cho J, **Bani-Ahmad M**, Ko C. *Periovulatory leukocyte infiltration in the rat ovary. Endocrinology.* 2010 Sep;151(9):4551-9. (DOI: 10.1210/en.2009-1444)



Conferences

Jan 20th – 22nd, 2024: International Conference of Medical Laboratory and Health Sciences. Al-Zarqa University, Al-Zarqa, Jordan.

Role: Abstract Reviewer and Session moderator

Sep 4th, 2016 – Sep 8th, 2019: 34th International Congress of ISBT 2016, Dubai, United Arab Emirates

Mohammad A. Bani-Ahmad, Ayman M. Abu-Awad, Ghaida Rahimi. *Ischemia/Reperfusion Mediated Cardiac Damage as a Complication of Blood Transfusion among Beta-Thalassemia Patients.*

November 2008

37th Annual Autumn Immunology Conference Chicago, IL, USA.

Mohammad Bani Ahmad, Chemyong Ko, Feng Lin, Ismail El-Amouri, Oliver R. Oakley. *Murine cytomegalovirus reduces surface expression of decay accelerating factor on the surface of host cells as an immune-evasion strategy*

Ismail El-Amouri, Mohammad Bani Ahmad, Chemyong Ko, Oliver R. Oakley. *Bone marrow transplantation and murine cytomegalovirus: the way to look at it.*



Conferences (Cont. ...)

November 2007

36th Annual Autumn Immunology Conference, Chicago, IL, USA.

Mohammad Bani Ahmad, Chemyong Ko, Feng Lin, Ismail El-Amouri, Oliver R. Oakley. The role of decay accelerating factor in the immunopathogenesis of murine cytomegalovirus.

Ismail El-Amouri, **Mohammad Bani Ahmad**, Chemyong Ko, Oliver R. Oakley. The role of decay accelerating factor (DAF) and murine cytomegalovirus (MCMV) in bone marrow transplantation.

November 2006

35th Annual Autumn Immunology Conference, Chicago, IL, USA.

Mohammad Bani Ahmad, Chemyong Ko, Feng Lin, Ismail El-Amouri, Oliver R. Oakley. Decay accelerating factor and murine cytomegalovirus: scenario of latency.

Ismail El-Amouri, Mohammad Bani Ahmad, Chemyong Ko, Oliver R. Oakley. Murine cytomegalovirus induced interstitial pneumonitis following bone marrow transplantation: the way to understand it.



Workshops

Artificial Intelligence Applications in Education: How AI Can Be Used to Enhance Learning and Teaching Experiences

Dates: Dec 21st - 23rd, 2024

Academic development center - Jordan University of Science and Technology.

Basics of Distance Education

Dates: Jun 27th - 28th, 2021

Academic development center - Jordan University of Science and Technology.

Exams and Assessments

Dates: Aug 17th - 18th, 2020

Academic development center - Jordan University of Science and Technology.

Peer reviewing workshop

Dates: Sep 5th - 29th, 2016

Society of Blood Transfusion (ISBT), International congress of the ISBT, Dubai, UAE

Statistical Package for social sciences (SPSS)

Dates: Jul 06th - 07th, 2010

Academic development center - Jordan University of Science and Technology

Testing and Evaluation

Dates: Apr 21st - 22nd, 2010

Academic development center - Jordan University of Science and Technology

Statistical analysis in scientific research and examination

Dates: Oct 28th - 29th, 2009

Academic development center - Jordan University of Science and Technology

University Examination: Testing and Evaluation

Dates: Jul 29th - 30th, 2009

Academic development center - Jordan University of Science and Technology



Community Services

2023: Organizing a **Blood Donation Campaign** in *JUST campus* in collaboration with National Blood Bank – Amman (**Date: Aug 2023**)

2020: Honored by the **Ministry of Health** for my contribution in community services through organizing and participating in Blood Donation Campaigns.

2019: Organizing a **Blood Donation Campaign** (Nov 25th, 2019) in *JUST Campus* in collaboration with National Blood Bank – Amman “**Slogan: Given from Heart**”.

2019: A speaker in “**Awareness sessions against Illicit Drugs**” that were arranged by the Department of Pharmacology – Faculty of Medicine / JUST. Sessions were held in KAHU on July 17th, 2019. (The role of Drugs Enforcement / Public security and the Civilian’s Institutions in Awareness against Illicit Drugs).

2019: Organizing a community service activity on April 20th, 2019, in **King Abdullah Gardens** in collaboration with Irbid Governorate, the National Blood Bank – Amman and the Central Blood Bank – Irbid. The slogan of activity was “**Seed of Good Deed / بذرة خير**” and included awareness against “Common Blood Disease / Breast Cancer / Sessional Disease” and a Blood Donation Campaign (Slogan: “**A drop of Life**”)

2019: A speaker in “**Awareness sessions against Illicit Drugs**” that were arranged by the Department of Pharmacology – Faculty of Medicine / JUST. Sessions were held in KAHU on July 17th, 2019. (The role of Drugs Enforcement / Public security and the Civilian’s Institutions in Awareness against Illicit Drugs).

May 4th, 2016: Blood Donation campaign (Slogan: You are a Hero)
JUST campus collaboration with National Blood Bank - Amman, Central Blood Bank - Irbid and King Abdullah University Hospital - Irbid.

Mar 2nd, 2012: Free Medical Day
for Syrian Refugees (Al-Ramtha– Irbid)

Apr 9th, 2011: Free Medical Day
Martyr Azmi Al-Mofti Camp (Al-Huson – Irbid)



Taught Courses

Undergraduate courses

Introduction to Hematology (LM250)
Introduction to Hematology – Practical (LM252)
Diagnostic Hematopathology I (LM353)
Diagnostic Hematopathology I – Practical (LM355)
Diagnostic Hematopathology II (LM356)
Immunohematology and Blood Banking (LM451)
Immunohematology and Blood Banking – Practical (LM453)
Clinical Microscopy (LM401)
Clinical Microscopy – Practical (LM403)
General Safety in Medical Laboratories (LM205)
Hematology (LM251)
Hematology (LM351)
Hematology – Practical (LM351)
Veterinary Clinical Hematology (VT355)
Veterinary Clinical Hematology – Practical (VT357)
Field Training (LM460)
Oncology – 902464 (Jadara University)
Introduction to Hematology - 902265 (Jadara University)
Diagnostic Hematopathology - 902346 (Jadara University)
Blood Banking and Transfusion - 902350 (Jadara University)

Graduate courses

Advance Hematology (LM751)
Advance Diagnostic Hematopathology I (LM753)
Advanced Diagnostic Hematopathology II (LM754)
Advance Immunohematology and Blood Banking (LM755)
Advanced Clinical Laboratory Management (LM792)
Advanced Training - Diagnostic Hematology (LM758)
Advanced Training - Immunohematology and Blood Banking (LM759)
Advance Biostatistics and Computer Applications (LM716)
Advanced Clinical Laboratory Management (LM711)



Supervised M. Sc.
Students

Currents:

(2025/2026) **Hiba Thaier Shehadah Nasr** (ID: 176934)

(2024/2025) **Asala Hisham Yousif Abu-Libdah** (ID 172536):

Graduates:

(2021/2022) **Yasmeen Esaied Mustafa Ghanim** (ID: 142818)

(2021/2022) **Dua Ayed Ahmad Al-Dmour** (ID: 146373)

(2021/2022) **Diala Qasim Ahmad Alshabi** (ID: 147939)

(2021/2022) **Rahaf Fayez Asad Aldeqah** (ID: 148087)

(2019/2020) **Ruba Rafat Farid Ahmad** (ID: 130480)

(2019/2020) **Ayah Khalid Nayef AlKhaldi** (ID: 130354)

(2018/2019) **Ezzat Abdulkareem Ezzat Al-Habbal** (ID: 128685)

(2017/2018) **Marah Hussien Yousif Ahmad** (ID: 117949)

(2017/2018) **Rand Moayad Rahid Nofal** (127815)

(2016/2017) **Qais Hussien Saleem Hawari** (ID: 111445)

(2016/2017) **Islam Emad Ahmad Alkhazali** (ID: 116441)

(2016/2017) **Alex Issa Antone Ballout** (ID: 112942)

(2015/2016) **Montaser Bassam H. Haddad** (ID: 111003)

(2015/2016) **Eshrak Hadi Eisa Gamal** (ID: 105182)

(2014/2015) **Du'a Hani Hasan Al-Omarat** (ID: 105161)

(2014/2015) **Noor Ebraheem Saad Eldin Abu Tayeem** (ID: 105139)

(2013/2014) **Ghaidaa Abdulla Husain Rahimi** (ID: 98243)

(2013/2014) **Ahmad Abdul Hamid Al Abdallah Al-Qudah** (ID: 97880)

(2012/2013) **Ahmed Mwaffaq Mohammad Abdalrahim** (ID: 90514)

(2012/2013) **Dua'a Abdeljabbar Shukri Ghanem** (ID: 83948)

(2011/2012) **Ahmad Qaseem Mohammad Jaradat** (ID: 83962)

(2010/2011) **Ahmed Kherallah Rushdi Obeidat** (ID: 78364)

(2010/2011) **Mohammed Ibrahim A. Alasseiri** (ID: 78369)

(2010/2011) **Mouna Abdellatif Hussein Alzaeim** (ID: 78374)

(2009/2010) **Nesreen Mohammed Saleh Hammash** (ID: 66891)