

Curriculum Vitae

Khaled Suleiman Mohammed Al-Mashrafi



Nationality: Omani

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Sur, Sultanate of Oman.

• Education

September 2009

Ph.D. in Mathematics

Sultan Qaboos University, College of Science, Sultanate of Oman, Muscat

March 2014

Thesis title: The Dynamics of Compositional Plumes in a Bounded Region

Supervised by: Prof. Ibrahim A. Eltayeb

September 2002

M.Sc. in Applied Mathematics

Sultan Qaboos University, College of Science, Sultanate of Oman, Muscat

Descriptor: Excellent. **GPA:** 3.8/4.0

October 2005

Project title: The Mathematical Modeling of a Fixed Source of Dust

Supervised by: Prof. Ibrahim A. Eltayeb

September 1990

B. Ed. in Mathematics and Computer

Sultan Qaboos University, College of Education and Islamic Sciences,

Sultanate of Oman, Muscat

June 1994

Descriptor: Very good. **GPA:** 2.75/4.0

• Research Interests

Applications of differential equations to problems of mathematical modelling of geophysical, industrial, and environmental problems.

• Scientific Publication:

- 1 – [Khaled Al Mashrafi](#) (2024), “The Fluid Dynamics of Compositional Plumes” , Journal of Harbin Engineering University, Vol 44 No. 12, ISSN: 1006-7043.
- 2 – Hameed Ur Rehman, [Khaled Al Mashrafi](#), Jamal Salah, (2024), “Estimating the Second Order Hankel Determinant for the Subclass of Bi-Close-to-Convex Function of Complex Order” , Malaysian Journal of Mathematical Sciences 18(1): 91–105 (2024), <https://doi.org/10.47836/mjms.18.1.06>
- 3– Anton Purnama, Easwaran Balakrishnan, [Khaled S.M. Al-Mashrafi](#) , (2023), “ Analytical Modeling on Dispersion of Nonconservative Pollution on a step increase in Depth Flow”, International Journal of Applied Mathematics, Volume 36 No. 4 2023, 537-553, ISSN: 1311-1728 (printed version); ISSN: 1314-8060 (on-line version), doi: <http://dx.doi.org/10.12732/ijam.v36i4.8>
- 4 – Jamal Salah, Maryam Al Hashmi, [Khaled Al Mashrafi](#), (2023), “Some Propositions on Mathematical Models of Population Growth “ , International Journal of Latest Trends in Engineering and Technology (IJLTET) ISSN: 2278-621X
- 5 – Omar Jawabreh, Ahmed Abdelqader, Jamal Salah, [Khaled Al Mashrafi](#), Emad Al Dein Al Fahmawee, Basel Ali, (2023), “Fractional Calculus Analysis of a Tourism Mathematical Model”, Progress in Fractional Differentiation and Applications, V9, S1, 1 -11. <https://www.naturalspublishing.com/Article.asp?ArtcID=26373>
- 6 – Jamal Salah, Maryam Al Hashmi, Hameed Ur Rehman, [Khaled Al Mashrafi](#), (2022), “Modified Mathematical Models in Biology by the Means of Caputo Derivative of a Function with Respect to Another Exponential Function”, Mathematics and Statistics 10(6): 1194-1205, DOI: 10.13189/ms.2022.100605 .
- 7 - Ahmed Al Kasbi, Anton Purnama, [Khaled Al Mashrafi](#), (2024), “Mathematical Simulation of Desalination Brine Discharge in Shallow Coastal Waters” , *Submitted, (Iraqi Journal of Science)*
- 8 - Ahmed Al Kasbi, Anton Purnama, [Khaled Al Mashrafi](#), (2024), “Analytical Modeling of Effluent Discharges Spreading by Tidal Oscillation Currents on a Sloping Beach” *Submitted, (Journal of Mathematical Methods in the Applied Sciences)*
- 9– Ahmed Al Kasbi, Anton Purnama, [Khaled Al Mashrafi](#), (2024), “Analytical Modeling of Effluent Discharges Spreading by Tidal Oscillation Currents on a Sloping Beach Mathematical Modelling of Natural Phenomena” , *Submitted.*
- 10– [Khaled S. Al-Mashrafi](#), (2018),“The Mathematical Modelling of a Fixed Source of Dust“, Sultan Qaboos University Journal for Science, 23(1), 8-18 .

- 11 – [Khaled S. Al-Mashrafi](#), (2016), “The influence of longitudinal diffusion on the transport of dust particles emitted from a fixed source “, International Journal of Applied Mathematical Research, 5 (1), pp. 11 – 17. <http://www.sciencepubco.com/index.php/ijamr/article/download/5367/2090>
- 12 – [Khaled S. Al-Mashrafi](#), (2015), “Diffusion of dust particles emitted from a fixed source“, International Journal of Applied Mathematical Research, 4 (4), pp. 454 – 465. <http://www.sciencepubco.com/index.php/ijamr/article/view/5058>
- 13 – [Khaled S. M. Al-Mashrafi](#), (2014), “The Mathematical Model of the Dynamics of Bounded Cartesian Plumes”, Proceedings of the 2014 International Conference on Mathematical Models and Methods in Applied Sciences (MMAS’14), “Recent Advances in Mathematical Methods in Applied Sciences”, Saint Petersburg, Russia, September 23 – 25, pp. 345 – 357. <http://www.europment.org/library/2014/russia/bypaper/MEAS/MEAS-55.pdf>
- 14 – [Khaled S. Al-Mashrafi](#), (2014), “The Linear stability of Cartesian Plumes in a Bounded Region“, WSEAS Transactions on Fluid Mechanics, ISSN / E-ISSN: 1790-5087 / 2224-347X, Vol. 9, Art. #20, pp. 217-233. <http://www.wseas.org/multimedia/journals/fluid/2014/z025713-096.pdf>
- 15 – [Khaled S. Al-Mashrafi](#) and Ibrahim A. Eltayeb, (2014), “The Influence of Boundaries on the Stability of Compositional Plumes”. Open Journal of Fluid Dynamics, 4; 83-102. <http://dx.doi.org/10.4236/ojfd.2014.41007>
- 16 – [Khaled S. Al-Mashrafi](#) and Ibrahim A. Eltayeb, (2014), “The stability of a rotating Cartesian plume in the presence of vertical boundaries “,Open Journal of Fluid Dynamics, 4; 207-225. <http://dx.doi.org/10.4236/ojfd.2014.42016>.
- 17 – [Khaled S. Al-Mashrafi](#), (2014) (5-9 January): “The linear stability of bounded compositional plumes”. Proceedings of the Third International Conference on Numerical Analysis and Optimization (Theory, Methods, Applications and Technology Transfer), NAOIII, Muscat, Oman, pp. 45.
- 18 – PhD Thesis: [Khaled Al Mashrafi](#), (March, 2014),” The Dynamics of Compositional Plumes in a Bounded Region” , unpublished doctoral thesis, Sultan Qaboos University. 18 – Master Thesis: Khaled Al Mashrafi, (September, 2005),” The Mathematical Modeling of a Fixed Source of Dust” , unpublished master, Sultan Qaboos University.
- 19 – [Khaled S. Al-Mashrafi](#), (2012), “The Linear stability of a compositional plume in the presence of a material diffusion“, Proceedings of the first international conference on analysis and applied mathematics”, Gumushane University, Department of Mathematical Engineering, 18 – 21 October, Gumushane, Turkey.
- 20 – [Khaled S. Al-Mashrafi](#), (2011), “The Mathematical Modeling of a fixed source of Dust”. Journal of Reflection, DOMAS group, College of Science, Sultan Qaboos University, Oman, pp. 14 – 15.

• Books/ Book Chapter:

1 – [Khaled S. Al-Mashrafi](#), (2022), “Book on Mathematics Olympiads, The principles of Algebra”. Printed by Mazoon Printing, Publishing and Packing LLC, Muscat, Sultanate of Oman, First Edition, Arabic Edition.

2 – [Khaled S. Al-Mashrafi](#), (2021), "Study on the Influence of Longitudinal Diffusion on the Transport of Dust Particles Emitted from a Fixed Source” in Dr. Xingting Wang (Eds.) , Current Topics on Mathematics and Computer Science, ISBN-13 (15): 978-93-91473-89-1 (Print), 978-93- 91473-06-8 (eBook), Vol. 6, 21 July 2021, Page 1-14, Book Publisher International, <https://doi.org/10.9734/bpi/ctmcs/v6/3309F>.

Student Project Supervision

Master Student in Applied Mathematics , College of Science, Sultan Qaboos University Research interests: Model Simulating of Desalination Brine Discharge in Shallow Coastal Waters

PhD Student in Applied Mathematics , College of Science, Sultan Qaboos University

• Work Experience

September 2020 - Until now	Assistant Professor in Mathematics A’Sharqiyah University College of Applied and Health Sciences
July 2017 - August 2020	Manager of Human Resources Development Department General Directorate of Education in Sharqiyah South Governorate, Ministry of Education, Sultanate of Oman, Sur
August 2016 - June 2017	Assistant Manager of Human Resources Development Department General Directorate of Education in Sharqiyah South Governorate, Ministry of Education, Sultanate of Oman, Sur
January 2006 - July 2016	Senior Supervisor of Mathematics General Directorate of Education in Sharqiyah South Governorate, Ministry of Education, Sultanate of Oman, Sur
September 1998 - December 2005	Supervisor of Mathematics General Directorate of Education in Sharqiyah South Governorate, Ministry of Education, Sultanate of Oman, Sur
January 1998 - August 1998	Working in the Educational Needs Section General Directorate of Education in Sharqiyah South Governorate, Ministry of Education, Sultanate of Oman, Sur

September 1996 – December 1997	Teacher of Mathematics Ahmed bin Majid Secondary School, General Directorate of Education in Sharqiyah South Governorate, Ministry of Education, Sultanate of Oman, Sur Teaching: Grade 10 to Grade 12
September 1994 – June 1996	Teacher of Mathematics Jamal Abdel-Nasser Preparatory School, General Directorate of Education in Sharqiyah South Governorate, Ministry of Education, Sultanate of Oman, Sur Teaching: Grade 5 to Grade 9

• Membership in Institutions and External Committees

- (1) IRC Scientific and Technical Committee & Editorial Review Board on Physical and Mathematical Sciences.
- (2) Oman Mathematics Committee, Sultanate of Oman.

• Activates (Omani Mathematics Committee - OMC)

- 1) **Presenting paper** in the workshop organized by OMC in training center in Human Resources Development Department (General Directorate of Education in Sharqiyah South Governorate) .
Title of the paper: **Indeterminate Forms in Mathematics** (Thursday 26th Feb 2016) .
Presented to: teachers for Math in Sharqiyah South Governorate (23 teachers).
- 2) **Presenting paper** in the workshop organized by OMC in Computer Lab in Sultan Qaboos University – Main Library.
Title of the paper: **Indeterminate Forms in Mathematics** (Thursday 12th May 2016) .
Presented to: teachers for Math in Muscat Governorate (25 teachers).
- 3) **Publish a paper** in the OMC website - electronic bulletin..
 The title : **The Mathematical Fallacies**

• **Activates (Gulf Mathematics Olympiad)**

1) **Presenting training in Inequalities** for Omani Students in the 4th Gulf Mathematics Olympiad, (18- 23 February 2015, Training center, Sharqia South Governate)

The 4th Gulf Mathematics Olympiad was arranged by the Arab Bureau of Education for the Gulf States from 21 to 24 March 2015 in Kuwait.

2) **Presenting high training in Algebra** for Omani Students in the 5th Gulf Mathematics Olympiad, (8- 20 March 2016, Al-Kamel School, Sharqia South Governate)

(25 – 29 March 2016 , Safeer International Hotel, Muscat)

The 5th Gulf Mathematics Olympiad was arranged by the Arab Bureau of Education for the Gulf States from 3 to 6 April 2016 in Madina Munawara, Kingdom of Saudi Arabia.

3) **Presenting high training in Algebra, Inequalities, Mathematical Induction and Polynomials** for Omani Students in the 6th Gulf Mathematics Olympiad,

(20 – 21 February 2017 ,Safeer International Hotel, Muscat)

The 6th Gulf Mathematics Olympiad and the 2nd Gulf Physics Olympiad were arranged by the Arab Bureau of Education for the Gulf States from 2 to 5 April 2017 in Riyadh, Kingdom of Saudi Arabia.

4) **Presenting high training in Algebra, Inequalities, Mathematical Induction and Polynomials** for Omani Students in the 1st Arab Mathematics Olympiad,

(19 – 22 November 2018 , Best Western Hotel, Muscat)

The 1st Arab Mathematics Olympiad was arranged by Ministry of Education in Kingdom of Saudi Arabia, the Saudi National Commission for Education , Culture and Science and the Arab Bureau of Education for the Gulf States from 25 to 29 November 2018 in Riyadh, Kingdom of Saudi Arabia.

5) **Presenting high training in Algebra, Inequalities, Mathematical Induction and Polynomials** for Omani Students in the 7th Gulf Mathematics Olympiad,

(6 – 10 October 2019 , Hormuz Grand Hotel, Muscat)

The 7th Gulf Mathematics Olympiad, the 3rd Gulf Physics Olympiad, and the 1st Arabic language debates were arranged by the Arab Bureau of Education for the Gulf States from 6 to 10 October 2019 in Muscat, Sultanate of Oman.

• Sample of Scientific Conferences

- 1) **Title of Conference:** [Attending and presenting paper](#) in the International Conference on Recent Trends in Mathematics (ICM-SQU2024)
Implemented by: Sultan Qaboos University, College of Science
Organized in: Sultan Qaboos University, College of Science, Muscat, Oman
Title of the paper: Some Propositions on Mathematical Models of Population Growth,
Period: March 4 – 6, 2024.

- 2) **Title of Conference:** [Attending and presenting paper](#) in the International Conference on Mathematics and Mechanics (ICMM-23)
Implemented by: the World Academics
Organized in: World Academics, Dubai, UAE.
Title of the paper: The Mathematical Model of Double Diffusive Convection
Period: 21st –22nd December 2023

- 3) **Title of Conference:** [Attending and presenting paper](#) in the international conference on computing and Data analysis (ICDA'23)
Implemented by: University of Technology and Applied Sciences (UTAS) , Oman
Organized in: University of Technology and Applied Sciences (UTAS) – Ibri, Oman
Title of the paper: Some Propositions on Mathematical Models of Population Growth,
Period: Sunday 10 Dec 2023

- 4) **Title of Symposium:** [Attending and presenting paper](#) in the Mathematical Modelling Mini-Symposium
Implemented by: Systems Engineering Department, Military Technological College
Organized in: Systems Engineering Department, Military Technological College, Oman
Title of the paper: The Mathematical Model of the Dynamics of Compositional Plumes
Period: Sunday Feb 5, 2023

- 5) **Title of Conference:** [Attending and presenting paper](#) in Oman Conference for Environmental sustainability.
Implemented by: Oman Convention and Exhibition Center, Muscat, Oman
Organized in: Oman Environment Authority and Sultan Qaboos University
Title of the paper: The Mathematical Modeling of Air Pollutants emitted from a Fixed Source,
Period: 16 - 19 January 2023.

- 6) **Title of Conference:** [Attending and presenting paper](#) in the International Conference on Trends & Innovations in Management, Engineering, Science % Humanities (ICTIMESH-2022).
Implemented by: Zayed University Convention Center, Dubai
Organized in: Dubai, United Arab of Emirates.
Title of the paper: Some Propositions on Mathematical Models of Population Growth,
Period: 19 - 22 December 2022.
- 7) **Title of Workshop:** [Attending and presenting paper](#) in the Virtual Worksop on Mathematical Modelling and Numerical Optimization (MMNO-2022) (**ONLINE**).
Implemented by: Sultan Qaboos University, Muscat, Oman
Organized in: College of Science, Sultan Qaboos University and Oman Mathematics Committee
Title of the paper: The Mathematical of Double Diffusive Convection System
Period: Thursday 25 May 2022.
- 8) **Title of Conference:** [Attending and presenting paper](#) in the 2nd International Conference on Fluid Flow and Thermal Sciences (ICFFTS'21) (Newtonian and Non-Newtonian flow and heat transfer Session) (**ONLINE**).
Implemented by: South Korea
Organized in: South Korea
Title of the paper: The Stability of Vertical Double Diffusive Interfaces in the Presence of a Material Diffusion.
Period: Thursday 25 November 2021.
- 9) **Title of Conference:** [Attending and presenting paper](#) in the XIV. International Conference on Fluid and Thermal Energy (ICFTE 2020). (**ONLINE**).
Implemented by: World Academy of Science, Engineering and Technology (WASET).
Organized in: Dubai, United Arab of Emirates.
Title of the paper: The Dynamics of Compositional Plumes in the Presence of Rotation,
(Thursday 17th December 2020 ; 8:30 pm – 8:50 pm).
Period: Thursday 17th December 2020 to Friday 18th December 2020.

10) Title of Conference: [Attending and presenting paper](#) in the Third Cambridge-Sultan Qaboos Universities Symposium (CAMSQU2019) on Mathematical Modelling.

Implemented by: Department of Mathematics , College of Science, Sultan Qaboos University ,Muscat, Oman.

Title of the paper: The Influence of Rotation on the Stability of Bounded Compositional Plumes,
(Tuesday 9th April 2019; 15:20 pm – 15:40 pm).

Period: Tuesday 9th April 2019 to Thursday 11th April 2019.

11) Title of Conference: [Attending and presenting paper](#) in the Fourth International conference on Numerical Analysis and Optimization (NAOIII 2017).

Implemented by: Department of Mathematics and Statistics(DOMAS) , College of Science, Sultan Qaboos University ,Muscat, Oman.

Title of the paper: The mathematical modeling of a fixed source of dust (Tuesday 3th Jan 2017;
11:40 pm – 12:00 pm).

Period: Monday 2th Jan 2017 to Thursday 5th Jan 2017.

12) Title of Conference: [Attending](#) Texas Regional Collaborative (TRC) 21th Annual Meeting.

Implemented by: Texas Regional Collaborative for Excellence in Science and Mathematics Teaching Center for STEM Education, College of Education, University of Texas at Austin.

Place of event: The Renaissance Austin Hotel, Austin, Texas, United States.

Period: Tuesday 16th June 2015 to Thursday 30th May 2013.

13) Title of Conference: [Attending and presenting paper](#) in International Conference on Mathematical Models and Methods in Applied Sciences (MMMAS'14).

Implemented by: EUROPMENT.org conference with Saint Petersburg State Politechnical University, Saint Petersburg, Russia.

Title of the paper: The Mathematical Model of the Dynamics of Bounded Cartesian Plumes
(Tuesday 23th Sep 2014; 16:20 pm – 16:40 pm) .

Session: Differential Equations and Applications.

Period: Tuesday 23th Sep 2014 to Thursday 25th Sep 2014.

- 14) Title of Conference:** [Attending and presenting paper](#) in the third International conference on Numerical Analysis and Optimization (NAOIII 2014).
- Implemented by:** Department of Mathematics and Statistics(DOMAS) , College of Science, Sultan Qaboos University ,Muscat, Oman.
- Title of the paper:** The Dynamics of a Compositional Plume in a bounded region (Wednesday 8th Jan 2014; 12:00 pm – 12:20 pm).
- Period:** Monday 6th Jan 2014 to Thursday 9th Jan 2014.
- 15) Title of Conference:** [Attending and presenting paper](#) in Ninth international conference on Flow Dynamics (ICFD2012).
- Implemented by:** Tohoku University Global COE program “World center of Education and Research for Trans-disciplinary Flow Dynamics”, Hotel Metropolitan Sendai, Japan.
- Title of the paper:** The Dynamics of a Compositional Plume (Thursday 20th Sep 2012; 14:25 pm – 14:40 pm).
- Session:** OS10 “Thermal-Fluid Flows and Plasma Physics (FUYOH) “.
- Period:** Wednesday 19th Sep 2012 to Friday 21th Sep 2012.
- 16) Title of Conference:** [Attending and joining as a committee member](#) in 19th International Conference on Difference Equations and Applications (ICDEA2013).
- Implemented by:** Sultan Qaboos University, College of Science, (Department of Mathematics and Statistics) DOMAS.
- Period:** Sunday 26th May 2013 to Thursday 30th May 2013.
- 17) Title of Conference:** [Attending](#) the International Conference on theory of Radicals, Rings, and Modules.
- Implemented by:** Sultan Qaboos University, College of Science, DOMAS.
- Period:** Saturday 21th Jan 2012 to Wednesday 25th Jan 2012.
- 18) Title of Conference :** [Attending](#) the second international conference on Numerical Analysis and Optimization.
- Implemented by:** Sultan Qaboos University, College of Science, DOMAS.
- Period :** from 03/1/2011 to 06/1/2011.
- 19) Title of Conference :** [Attending](#) the international conference on Analysis and Applications.
- Implemented by:** Sultan Qaboos University, College of Science, DOMAS.
- Period:** from 24/1/2010 to 26/1/2010.

20) **Title of Conference :** Attending the international conference on Mathematical Modeling.

Implemented by: Sultan Qaboos University, College of Science, DOMAS.

Period: from 23/1/2009 to 26/1/2009.

21) **Title of Conference :** Attending the 9th international conference of mathematics.

Implemented by: Charlotte , North Carolina University , USA.

Period: from 7/9/2007 to 12/9/2007.

• Scientific Workshops

1. **Title of Workshop:** Attending and presenting paper in the Omani Committee of mathematics

Workshop in the General Directorate of Education in Sharqiyah South Governorate.

Implemented by: Sultan Qaboos University, Omani Committee of mathematics.

Title of the paper: Indeterminate Forms (8:30 am – 10:00 am).

Period: Thursday 25th Feb 2016.

2. **Title of Workshop:** Attending and presenting paper in the Omani Committee of mathematics

Workshop in Sultan Qaboos University

Implemented by: Sultan Qaboos University, Omani Committee of mathematics.

Title of the paper: Indeterminate Forms (8:30 am – 10:00 am).

Period: Thursday 19th May 2016.

3. **Title of Workshop:** Attending Numerical Methods for PDE's Analysis and Applications

Workshop.

Implemented by: Sultan Qaboos University, College of Science, DOMAS.

Period: Tuesday 10th Jan 2012 to Wednesday 11th Jan 2012.

4. **Title of Workshop:** Attending and presenting paper in Cambridge-SQU Mathematics

Workshop.

Implemented by: Sultan Qaboos University, College of Science, DOMAS.

Title of the paper: The Linear Stability of a Compositional Plume in the presence of Material Diffusion (Sunday 30 Oct. 2011 ; 10:00 am – 10:25 am).

Period: Saturday 29 Oct. 2011 to Monday 31 Oct. 2011

5. **Title of Workshop:** Attending a workshop on Convective Flows and Instabilities.

Implemented by: Sultan Qaboos University, College of Science, DOMAS.

Period : Tuesday 14th June 2011 (from 9:00 am – 4:00 pm).

6. **Title of Workshop :** Attending Workshop on writing and publishing scientific papers.
Implemented by: Sultan Qaboos University, Deanship of Postgraduate Studies.
Period : 17 February 2010.

7. **Title of Workshop :** Attending Workshop on Postgraduate Skills Enrichment.
Implemented by: Sultan Qaboos University, Deanship of Postgraduate Studies.
Period : from 22 February 2010 to 25 April 2010.

8. **Title of Workshop :** Attending Workshop on Training in Laboratory, Field Safety and First Aid.
Implemented by: Sultan Qaboos University, Deanship of Postgraduate Studies.
Period : 24 October 2010.

9. **Title of Workshop:** Workshop of combining Demographic Concepts in the Oman's Curricula.
Implemented by : Department of Syllabus evolution , Ministry of Education.
Period : from 12/3/2007 to 14/3/2007.

10. **Title of Workshop:** Basic Educational Workshops.
Implemented by : Ministry of Education.
Period : during various periods from 1998 to 2002.

11. **Title of Workshop :** Participating the 3th annual forum of mathematics.
Implemented by: Department of Educational Supervision , Ministry of Education.
Period : from 23/4/2007 to 25/4/2007 .

12. **Title of Workshop:** Attending and presenting paper in Ma. and PHD studies and researches of Science and Mathematics .
Implemented by : Department of developing applied science curricula.
Period : from 11/11/2006 to 13/11/2006.

13. **Title of Workshop:** Attending Workshop in Designing and Writing reports of Educational projects plans.
Implemented by : Ministry of Education.
Period: from 13/12/1997 to 22/12/1997.

• Seminars

1. **Title of Presentation :** Presented a paper in the Seminar Series Fall 2013.

Title of Paper: The Fluid Dynamics of Bounded Compositional Plumes.

Implemented by: Sultan Qaboos University, College of Science, (Department of Mathematics and Statistics) DOMAS.

Period : Thursday 16th January 2014; from 12:00 pm to 12:50 pm.

2. **Title of Presentation:** Presented a paper in the Seminar Series Fall 2010.

Title of Paper: The fluid Dynamics of plumes.

Implemented by: Sultan Qaboos University, College of Science, DOMAS.

Period : Wednesday 3th November 2010; from 12:00 pm to 12:45 pm.

• Samples of Training Programs

1. **Title of Program :** Attending training in Windows Applications.

Implemented by : Administrative and Technical Training Institute (Sur).

Period : from 6/2/1999 to 3/3/1999.

2. **Title of Program:** Attending training in How to be a distinguished trainer.

Implemented by : General Administration Institute.

Period : from 13/3/1999 to 17/3/1999.

3. **Title of Program:** Attending training in Developing the trainer's skills.

Implemented by: General Administration Institute.

Period : from 2/5/1998 to 13/5/1998.

4. **Title of Program:** Training of Basic Education schools teachers (Science and Mathematics).

Implemented by : Ministry of Education.

Period : during various periods from 1998 to 2002.

5. **Title of Program:** Training of General Education schools teachers (Mathematics).

Implemented by : Ministry of Education.

Period : during various periods from 1998 to 2002.

6. **Title of Program:** New teachers training (Mathematics) + Training the teachers of Mathematics (Teachers of grade 5 to grade 12).

Implemented by : Ministry of Education.

Period : At the beginning of every academic year from 1998 to 2002.

• Writing Exams thought the Occupational Period

- ✦ Participating, Preparing and reviewing the final exams of Mathematics for Grade 12 (General Diploma) in the Sultanate – (Both semesters) – (Arabic and English Versions).
- ✦ Participating, Preparing and reviewing the final exams of Mathematics for Grade 12 (Al Sultan Qaboos Private School and General Education Diploma of Oman Technical College) in the Sultanate – (Both semesters) – (English Version).
- ✦ Participating, Preparing and reviewing the Math subject Exam for the Grade 5 to Grade 11 in the general directorate of Education in South East Region (Both semesters).

• Computer Programs and Other SKILLS

⚙ Computer Skills :

-Ms. Word -Ms. Excel -Ms. Access -Ms. PowerPoint
-Programming - PhotoDraw -Photoshop -Swish

⚙ Mathematical Programs:

-Mapple -MatLab -Fortran & NAG Fortran Builder -Latex
- NAG Subroutines Library -Mathematica -Graphmatica -Mathtype

⚙ Communication Skills:

- Ability to work within a team.
- Abilities to prepare and deliver presentation.

⚙ Management Skills :

- Organizing and managing different activities in science research.
- Ability to work in flexible environment.

• References

- ✓ Prof. Ibrahim A. Eltayeb, Sultan Qaboos University, College of Science, Department of Mathematics. ieltayeb@squ.edu.om
- ✓ Prof. Edamana V. Krishnan, Sultan Qaboos University, College of Science, Department of Mathematics. krish@squ.edu.om
- ✓ Prof. Anton Purnama, Sultan Qaboos University, College of Science, Department of Mathematics. antonp@squ.edu.om