

Vali Ollah Yousefi

CURRICULUM VITAE

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Name: VALI OLLAH YOUSSEFI

Clean driving licence

Married with two children aged 31 and 33

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DEGREE AWARDED

In 1983 Obtained, Master of Philosophy (MPhil), from The Aston University in Birmingham, UK. Title of Thesis: *A STUDY OF THE AERODYNAMIC CHARACTERISTICS OF CAPTOR HOODS IN LOCAL EXHAUST VENTILATION SYSTEM.*

In 1974 obtained M.Sc. *In OCCUPATIONAL HYGIENE from London School of Hygiene and Tropical medicine (LSH&TM), London University, UK.*

In 1968 obtained Master of Science in *Public Health (M.S.P.H.), major in Sanitary Engineering (water quality, supply, treatment, and wastewater treatment), Teheran University, Iran.*

In 1965 obtained the State Teaching Training Certificate, Teheran Institute of Teacher Training, Iran.

In 1966 obtained M.Sc. Applied maths, Teheran University, Iran.

In 1963 obtained B.Sc. Mathematics, Teheran University, Iran.

In 1960 obtained Higher National Diploma (HND) Statistics from Institute of Statistics, Teheran University.

Professional Qualification and certificate

2003

Certificate of completion of the ACGIH's workshop on "Mold, Moisture & Remediation Workshop" March 3-6, ACGIH Headquarters, Professional Learning Centre, Cincinnati, Ohio, USA

24-26 March courses organised by the National Institute for Working Life and the Finish Institute of Occupational Health, as part of the Swedish and Finish institutes engagement as WHO Collaborating centres.

- 1- Diploma in Hazard Prevention and Control in the Work Environment: Airborne Dust.
- 2- Diploma in Work Practice Measurements: The PIMEX-method

2002

21-25 October

The following certificates were obtained from the Pretoria Technikon:

1. Occupational Health and Safety Act requirements for Approved Inspection Authorities.
2. Hazardous Chemical Substances.
3. Environmental Regulations.
4. Noise Regulations
5. Asbestos Regulations and
6. Lead Regulations

2001

Research Ethics-2001, 6-7 August 2001, Wits Health Consortium, JHB;

X2001 Exposure assessment in epidemiology and practice, International Scientific Conference, Gothenburg, Sweden, June 10-13;

Research Project Management Course, April 2-6, organised by the Safety in Mines Research Advisory Committee (SIMRAC)

Grievance Procedures, 26-27 March

Skills development, Middle managers, February 5-9.

2000

Courses organized by the Inside Lane, Human Resources Development CC/BK
Applied Management Techniques 24-28, January;
Advanced Management Techniques Julycher

GroupWise 5.5 Basic, CS Holding, June 30,

1998

Certificates of attendance to a four-day Training Course on "Health and Safety

Concerns Related to Working with Pesticides, Johannesburg, South Africa, November
“organized by NIOSH, CDC, and USA.

1997

Certificates of participation in the first International Symposium on Chemical and biological Medical Treatment (CBMT), December 7-11, Cairo, Egypt, Organized by Egyptian Society of Pesticide Hazards (ESPH) and Applied Science & Analysis (ASA) USA.

1996

Diploma of professional competence in Occupational Hygiene, the British Examining Board of Occupational Hygiene and Registered Occupational Hygienist, UK, September.

CAREER SUMMARY

REPUBLIC OF SOUTH AFRICA

2006

From September 2005-July 2006, contract consultant hygienist at a Pharmaceutical plant.

2005

Conducted two weeks full time course 28 February to 11 March on “Health Care Waste Management”, held at Tamba Memorial Hospital, Gauteng, South Africa

August 1999 to October 2003

Deputy Director, Head of Occupational Hygiene Department, at the National Centre for Occupational Health (NCOH), Department of Health.

From 1985 to October 2003, honorary lecturer at the School of Public Health, Faculty of Medicine, The University of Witwatersrand.

1989 to August 1999

Specialist Scientist and honorary research officer at the Schonland Research Centre, Wits University, 1991.

Appointed local member of the British Examining Board of Occupational Hygiene in RSA, 1998 to 2003

1997

Chairman of Organizing Committee of Professional Educational Courses:
Health Effects, and risk Assessment of Biological Contamination in Indoor Environment: a clinical approach to environmental issues, 3-4, 6-7, 10-11 November 1997, Gauteng, Durban and Cape Town respectively.

1996

Chairman of Organizing Committee of Professional Educational Courses:
1-Management of Healthy and Safe Workplaces 2-3 September 1996,
2-Managing Occupational Stress: Impact on Quality, Productivity and Safety, 5 September.
3-Total Quality Management (TQM): A Tool for Improving Health and Safety, 6 September.
4-Industrial Ventilation, British Examining Board of Occupational Hygiene (BEBOH) advance course, A 208, 16-20 September.

1995

During July-August, organized the first National Professional Educational Course in Occupational Hygiene. Course was offered at four locations 1- the Gauteng (JHB), 2- University of Port Elizabeth (UPE), 3- Cape Town University and 4- Durban Technikon. Invited speaker from Canada (CCOHS), USA (NIOSH, ACGIH) and Aston University, UK and some local experts conducted the course. The American Board of Industrial Hygiene has awarded 2

Certificate Maintenance (CM) points and the CM approval No is #10089, dated 30 June 1995 to all delegates.

President of the Transvaal and Orange Free State Branch of OHASA.

April 1987 to 1989

Principal Medical Natural Scientist and occupational hygienist. During this period a very extensive range of occupational hygiene works was carried out. In doing so, travelled throughout RSA and neighbouring countries for the Measurement of physical, chemical biological and bioaerosol environment. Extensive work on asbestos monitoring, measurement and evaluation of noise, particulate fume, gas and vapour, thermal environment and lighting surveys, evaluation of exhaust and dilution ventilation.

Undertook Research: 1- Indoor air Quality at office Environment, 2-Evaluation of Fluoride and 3-Manganese levels in air and urine of workers in different industries.

4-Researched on welding fume formation, and its characterisation.

Experienced and familiar with all analytical techniques such as: AA, GC, HPLC, ICP, XRF, XRD, PIXE, UV/Spectrophotometer, Ion Selective Electrode, and Wet Analytical Chemistry.

Measurement of all aspects of the so called, Sick-Building Syndrome / building related syndrome and indoor air quality evaluation.

Affiliations

Member of technical committee of the Inter Departmental Action Committee (INDAC).

Member of the Technical Committee 76: Acoustics, Electro-acoustics and Vibration, SABS.

Honorary Member of the Association of Society of Occupational Safety and Health (ASOSH).

A permanent (P) member of the technical committee of the code of practices “The installation and safe use of ethylene oxide (EO) sterilizers in health-care facilities and in industry” SABS0213: 1997.

The P-member of the Technical Committee “Standard Specification for Respiratory equipment for protection against harmful particulate and gas:

Part I Masks for particulate and gas SABS 1455: Part I-19988,

Part II Particulate respiratory filters SABS 1455 Part II-1988,

Part III Particulate filtering masks SABS 1455: Part III-1988,

Part IV gas and combination filter SABS 1455: part IV-1989.

A p- member of the respiratory protective equipments:

Breathing apparatus: Body worn escape type breathing apparatus,

Respirators,

Self contained escape type breathing apparatus.

A member of a technical committee for the code of practice: Welding and thermal cutting processes: Health and Safety, SABS 0238 1991.

An appointed member for the Technical Committee Numbers 7 & 8 organized by the Department of Labour (Manpower), working on the assignment of the Threshold Limited Values for the Hazardous Chemical and Biological Substances and the Accreditation of the Occupational Hygienists in RSA.

REPUBLIC OF BOPHUTHATSWANA

November 1983 to April 1987

Contracted officer of water and chief air pollution control. Work was involved in the enforcement and implementation of the Water Act, the Atmospheric Pollution Prevention Act, occupational health and safety acts and the Health Act, Supervising Water Labs, testing water and wastewater for quality control in order to check the compliance with relevant acts.

UNITED KINGDOMS

June 1974 to April 1981

Researcher, lecturer (for limited time, as I have been appointed as visiting Lecturer at the Aston University, UK) and undertaking some occupational hygiene consultant work for Industries In Birmingham) at the Department of Safety and Health, Aston University, Birmingham, UK.

Limited lecture and demonstration was given to the students of different courses,

- 1-Certificate Course for Overseas Factory Inspectorates,
- 2-BSc courses in the field of Occupational Safety and Health,
- 3- MSc course and
- 4- Postgraduate course (Diploma) for Factory Inspectorates.

I have organized Short Courses in the field of Occupational Hygiene and Engineering Control method at Aston University.

Few occasion have supervised the postgraduate students in the preparation of their M.Sc. dissertations at Aston University.

IRAN

April 1981 to April, 1983

I was the Managing Director and a shareholder of the MIKH Construction Company.

October 1968 to October 1970

I worked as Safety Officer and Sanitary Engineer at the Iranian Steel and Iron Plant, Isfahan.

October 1970 to September 1971

I was Head of the Water Quality Department, Institute of Hydrology and Water Resources Technology (IHWRT). At this post I was involved in management, supervision, teaching and examining the postgraduate students studying Water Treatment, Hydrology and Geohydrology. At this time I was asked to Represent Iranian Government to the International Conference on Community Water Supply, which was organized by the WHO/UNDP, and was held at Dubrovnik, Yugoslavia.

Worked with Professor Fintaysel, an UNDP expert, he was seconded to the IHWRT. Together with Prof. Fintaysel, as part of his duty and our task, visited different provinces in order to study the needs of Water Technicians, and checking the activities of the local water authorities.

Membership:

Member of the Institute of Waste Management.

Full Member of the American Conference of Governmental Industrial Hygienists (ACGIH).

Member of the British Institute of Occupational Hygienists, Registered occupational hygienist, UK.

Member of the National Association for Clean Air (NACA), South Africa.

Honorary Member of ASOSH.

Past Member of the American Association for Aerosol Research (AAAR).

Past Member of the ICOH

Past Full Life Member of the British Health and Safety Society, UK.

Past Member of the Environmental Educational Association of Southern Africa.

Past member of the British Occupational Hygiene Society.

Past and present member of the American Industrial Hygiene Association.

Past member of the International Safety Society, UK.

Past member of the Community Health Association of South Africa (CHASA).

Past member of the Pharmacological Society of South Africa.

Past member of the Institute of Safety Management, RSA.

Past member of the Environmental Health Officer (EHO) Society, RSA, I was a registered Environmental Health Practitioner, and registered with SA Dental and Medical Council as EHP.

Research activities' conference attendance and scientific paper presentations and publications:

I. Conference attendance and paper Presentation.

2006

Attend and present oral paper at the SHERCON 2006, International Safety, Health and environmental Risk Management Conference and exhibition, DEKRA NORISKO, Emperors Palace, 7-9 March, South Africa

Vali Yousefi, Protecting the health of workers at a pharmaceutical plant.

2005

Attend chaired sessions and present papers at the IOHA 2005, Pilanesberg, South Africa, Promoting Occupational Hygiene in Africa and Globally, September 19-23.

1-Vali Yousefi and Phineas Mello, Environmental dust exposure assessment at the abandoned and non-rehabilitated mine at Kagiso township, Johannesburg.

2- Vali Yousefi and Phineas Mello, Analysis of air borne particulate collected at the community close to the abandoned mine waste dumps.

2001

I. Attend and present two oral presentations at the Enviromin 2001, July 14-18 Conference, Skukuza, Kruger National Park.

1-Vali Yousefi, and Kuku Voyi. Environmental and Health Impact Assessment of Gold Mine Waste Dump at the Gauteng Province, SA

2- Vali Yousefi, M Pressend, S Moodely, D Mthethwa, SR Strydom. Case Study of Impact Assessment of Un-rehabilitated Mines.

II. Poster presentation, Vali Yousefi. An Objective Assessment of the Present Method of Asbestos Fibre Evaluation, X2001-Exposure Assessment III Epidemiology and Practice, International Scientific Conference in 8-13 June, Goteborg (Gothenburg), Sweden

2000

Attend and oral presentation, V Yousefi, D Mthethwa and SR Strydom. Burdened by Dust from the Mine Waste Dumps, NOSHC ON, 2000, International Safety, Health and Environment Conference, Sun City, RSA

1999

Attend and Poster presentation, V Yousefi. Risk Assessment of Agrochemicals, which could be used by Terrorists. Chemical and Biological Medical Treatment Symposium (CBMT) III Conference 7-12 May Spiez, Switzerland.

Attend and oral presentation, V Yousefi. Potential Environmental Health Risk from Johannesburg Mine Tailing Dumps. American Industrial Hygiene Conference & Exposition, June 5-11, Metro Toronto Convention Centre, Ontario, Canada.

Attend and oral presentation, V Yousefi. Potential Health Effects from Dust Exposure, Mining and the Environment Workshop, Braamfontein Recreation Centre, Johannesburg, GEM, 3rd

August.

Attend and oral presentation, Vali Yousefi. Potential Health Risk: Wind Erosion Dust from Mine Dump Tail in Kagiso, NOSHCON'99, Sun City, NOSA, 9-11 June.

Attend and oral presentation, Vali Yousefi. Ethical Issues in the Management of Occupational and Environmental hazards, 3rd Annual State & Private Hospitals Congress, 13-14 September, Rose Bank Hotel, Johannesburg.

1997

Attend and oral presentation, V Yousefi. Risk Assessment of Agrochemical in South Africa, CBMTS, Middle East I, Pyramiza Hotel, Cairo, Egypt, 7-11 December.

Attend and oral presentation, V Yousefi and Willem F A Kirsten
Welding Fumes; Formation Rate and Constituents, International Institute of Welding (IIW) Southern African Regional Congress, 2nd- 5th November, Holiday Inn Crown Plaza, Sandton, Gauteng, South Africa.

Attend and oral presentation, V Yousefi and Willem F A Kirsten, Welding Fumes; Formation Rate and Constituents. PACOH'97, Pan African Conference on Occupational Health "Occupational Health Challenges for Africa" 31 August 4th September, Holiday Inn Crown Plaza, Durban, RSA

Attend and two oral Presentations have been presented at the Applied Bioaerosol Sampling, ACGIH Workshop, 10-12 February, San Diego, California.

- 1- V Yousefi, Airborne Microorganism in a health care environment,
And
- 2- Vali. Yousefi, Fungal contamination in dwelling environment.

1995

Attend and oral presentation, V Yousefi, D F van der Merwe. A Comparison between fume rate and composition, using laser beam and electric arc bead on plate welding, International Conference "Welded Structures", September 18-22, The E O Paton Electric Welding Institute, Kiev, Ukraine.

1994

Attend and oral presentation, V Yousefi. Indoor air Pollution in Johannesburg, South Africa, Fourth International Aerosol Conference, Los Angeles, California.

Attend and oral presentation, V Yousefi, D F van der Merwe, H J Annegarn, M A Kneen, KBD Rama. Welding fumes its agglomeration, and chemical composition, Fourth International Aerosol Conference, Los Angeles, California.

Attend and oral Presentation, M A Kneen, V Yousefi, H J Annegarn, Determination of Toxic Metals in Welding Fume by Energy Depressive XRF Analysis, Occupational Health in Southern Africa, Zithabiseni Conference Centre, RSA

1993

Attend and oral Presentation, V Yousefi, Mass and Elemental Concentration of Ambient Airborne Particulate National Association for Clean Air (NACA) Conference, Clean Air Challenge, Dikhololo Game Lodge, 11 & 12 November.

Attend and oral presentation, V Yousefi and DBK Rama, Environmental Levels of Airborne Particulate Matter at Selected Sites in the Vicinity of Johannesburg, NACA Conference Clean Air Challenge, Dikhololo Game Lodge, RSA 11 & 12 November.

Attend and oral Presentation, V Yousefi and D F van der Merwe, Welding Fume: -Its Agglomeration, Chemical Composition and Associated Health Hazards, March 1993, Joint International Conference OHASA and South African Institute of Welding "Health and Safety in Welding and Related Processes 23-25 March, RSA.

Attend and oral Presentation, V. Yousefi, Measurement Quality: Quality Control of Airborne Asbestos Fibre Evaluation, March 1993, Joint International Conference OHASA and SAIW "Health and Safety in Welding and Related Processes, 23-25 March.

1992

Attend and oral Presentation, V Yousefi, Indoor Air Pollution: South African Experience 5th International Jacques Cartier Conference, 7-9 October 1992 Centre for Building Studies, Concordia University, and Montreal, Canada

Attend and oral Presentation, V Yousefi and H J Annegarn, an Aerodynamic Aspect of Exhaust Ventilation. The 3rd International Ventilation Conference Ventilation'91 Cincinnati, Ohio USA 16-20 September.

Attend and oral Presentation, V Yousefi, J Bell and R Sacks, Environmental Levels of Airborne Microorganism, National Association for Clean Air (NACA) National Conference, "Responsible Wealth Creation" Vereeniging Civic Centre 8-10 November.

Attend and oral Presentation, V Yousefi, The Assessment and Estimation of Occupational Risk to Work, CHASA in Action 2nd International Conference & Exhibition 4-7 August, NASREC, Johannesburg

1991

Attend and oral Presentation, V Yousefi, Asbestos and the Public Panic, NACA Conference, "Air pollution and the Environment" 14-15 November Elangeni Hotel Durban.

Attend and oral Presentation, V Yousefi and L Dias (1991)
Airborne microorganisms in the Pharmaceutical plant, International Conference Organized by European Community, 9-13 September, Luxembourg.

Attend and oral Presentation, V Yousefi and L Dias (1991)
Airborne Microorganisms in the Pharmaceutical Industry, 12th Annual Congress of the Academy of Pharmaceutical Sciences: Pharmacy Research, Progress and Prospects Potchefstroom University RSA 18-20 April.

1990

Attend and oral Presentation, V Yousefi, Occupational Hygienists and Preventive Health, International Conference: CHASA in Action Sun City RSA 18-20 June.

Attend and oral Presentation, V Yousefi and L Dias, Airborne Microorganisms in the Pharmaceutical Industry, International Conference: CHASA in Action Sun City RSA 18-20 June.

Attend and oral Presentation, V Yousefi, Health Effects Associated with Wastewater Treatment Plant,

IUAPPA Regional Conference on Air Pollution CSIR Pretoria RSA 24-26 October RSA

Attend and oral presentation, V Yousefi and D K B Rama, Air Contaminant in Industrial, Residential and Hospital Environment, Pollution and the Quality of Life Workshops 90, Durban 4-8 June.

Attend and oral Presentation, V Yousefi, An Occupational Hygiene Assessment of a Plant Processing Manganese, 24th Annual S A Pharmacological Society Congress, Sandton, RSA, 11-12 October Holiday Inn Johannesburg, RSA

1989

Attend and oral Presentation by D S O Brown, C E Will, V Yousefi, and V Nell, Manganese Toxicity and its Neuropsychological effects, International Neuropsychological Society, 12th European Conference, Belgium July 5-8

Attend and oral Presentation by D B K Rama, V Yousefi and D Rees, Fluorspar exposure and urinary fluoride level. 2nd meeting of the ISTERH, Tokyo, Japan, September.

1988

Attend and oral Presentation, Clive E Wills, V Yousefi, D S O Brown, K A Renton, C E Walpe and Victor Nell, Industrial Hygiene and Biological Parameters in a South African Manganese Refinery.

1986

Attend and oral Presentation, V Yousefi, Local Exhaust Ventilation: an Aerodynamics Study, 7th World Clean Air Congress, Sydney, Australia, and August.

Attend and oral Presentation, V Yousefi, the Aerodynamic Aspect of Exhaust Hood, the Sixth International Conference on Clean Air CSIR Pretoria, South Africa.

1975

Attend and oral Presentation, V Yousefi, The use of Piezoelectric Dust Sampler in Foundry, International Congress of Occupational Health, Brighton UK.

II-Publication

2000

Dust: the biggest killer in industry? (2000), Safety Management, January, pages 3, 5.

1999

V Yousefi (1999) Agrochemicals in South Africa, African Newsletter on Occupational Health and Safety, Vol.9, No.1, April 6-10.

V Yousefi (1999) Proposals for quality control of Asbestos Fibre Evaluation, Occupational Health Southern Africa, Vol. 5, No. 3, May/June, 17-21.

1998

V Yousefi (1998) Beware-those welding fumes can be harmful to your health, Workers Life: Safety, Health & Environment News for you, September, vol. 4, No.5, and p7, published by NOSA

V Yousefi and H J Annegarn (1998) Aerodynamic Aspects of Exhaust Ventilation, Journal of the Mine Ventilation Society of South Africa, Vol. 51, No. 3, July/September, 93-100

V Yousefi (1998) Health, Safety Measure at the Work Environment, Fusion, May, Vol. 5, No. 2, p2-3, Published by the Southern African Institute of Welding (SAIW).

V Yousefi (1998) Formaldehyde levels in the Funeral, Anatomy and Pathology Department. SAMJ, September, Vol.88, No.9 p 1056

1996

V Yousefi (1996) airborne microorganisms in a health care environment. SAMJ, Vol. 86, No 2, 181 February.

1995

V Yousefi (1995) Monitoring of the Microorganism at wastewater treatment plants: implication for research and policy, Water Sewage and Effluent Vol. 15 No 1 March, 39- 41

1994

V Yousefi (1994) On the Issue of Institute of Occupational Hygienists of Southern Africa (IOHSA), National Safety & Occupational Hygiene Vol. LIV No 4 July/August.

1993

V Yousefi and H J Annegarn (1993) Aerodynamic Aspects of Exhaust Ventilation, Ventilation'91 3rd International Symposium on Ventilation for Contamination Control Editors Robert T Hughes, Howard D Goodfellow, and Gyan S Rajhans, Pub. American Conference of Governmental Industrial Hygienists, Cincinnati, Ohio, USA

1992

V Yousefi (1992) Indoor Air Pollution: South African Experience, Proceeding of the Indoor Air Quality, Ventilation and Energy Conservation 5th International Jacques Cartier Conference, Ed Fariborz Haghighat, Centre for Building Studies, Concordia University, Montreal, Canada

V Yousefi (1992) Proposed Title and Objectives for the Establishment of an Institute of Occupational Hygienists National Safety and Occupational Hygiene Vol. LII No 5 Sep/Oct.

V Yousefi and D B K Rama (1992) Monitoring of air for Microbial and Metal Contamination at selected Sites in the Vicinity of Johannesburg, SA, and Science of Total Environment 116, 159-167

1991

Digby S O Brown, Clive E Wills, V Yousefi and Victor Nell (1991) Neurotoxic Effects of Chronic Exposure to Manganese Dust. Neuropsychiatry, Neuropsychology and Behavioural Neurology Vol. 4 No 3 238-250.

V Yousefi and L Dias (1991) Airborne Microorganisms in the Pharmaceutical Industry, pp 270-274. Clean air at Work, New Trends in Assessment and Measurement for the 1990s, Edited by R H Brown, M Curtis, K J Saunders, S Vandendriessche Publisher Royal Society of Chemistry.

V Yousefi (1991) An Occupational Hygiene Assessment of Plant Processing Manganese. SAMJ Vol.80, 2 November

V Yousefi (1991) the Role of Occupational Health and Hygiene in Industry, National Safety and Occupational Hygiene Vol. LI No 3 May/June Part 1, Part 2 July/August.

1990

D Rees, D B K Rama and V Yousefi (1990) Fluoride in workplace air, in urine of concentrating fluorspar, American Journal of Industrial Medicine 17:311-320

D B K Rama and V Yousefi (1990) Threshold limit values for fluoride in fluorspar exposure SAMJ Vol. 77 20 Jan

1976

S McKenna and V Yousefi (1976) Effect of Heat and its Control, Occupational Health Vol. 28, No 8

V Yousefi (1976) Ventilation system, Occupational Health Vol. 26 No 8