

International Union of Toxicology

**PROPOSAL TO THE NOMINATING COMMITTEE:
MEMBERS SUITABLE FOR NOMINATION TO THE IUTOX EXECUTIVE COMMITTEE
FOR THE PERIOD 2019-2022**

Proposal due to Barbara Hales at the [IUTOX Secretariat](#) by: **November 19, 2018**
Please include a short CV for the nominee

PROPOSAL SUBMITTED BY

Member Society: Toxicology Society of South Africa (TOXSA)

Name and signature of IUTOX Member Society representative submitting nomination: Professor Mary Gulumian

Position: President: TOXSA

Signature:



Date: 8 August 2018

BIOGRAPHICAL DETAILS OF PROPOSED CANDIDATE

Name and signature of proposed candidate:

Carine Marks



Nomination for officer or director may be indicated:

Director

Date of Birth:

26/08/1968

Current Position:

Director of Tygerberg Poison Centre and Senior lecturer at Stellenbosch University

Address:

35 Central Drive
Camps Bay
South Africa

Nationality:

South African

Scientific Field:

Pharmacology; Medical Toxicology

Education:

BSC Pham. Hons (Pharmacology), MSC MedSci (Toxicology)
MPHIL HPE (current)

Professional positions held (with dates):

Director: Tygerberg Poisons Information Centre (since 2011)

Senior Director at Clinical Pharmacology; Stellenbosch University (since 2016)

- **Involvement with the WHO**

During 2012-2015, Dr Marks was involved in a "Feasibility Study for a Sub-Regional Poison Centre in the East Africa Sub-Region", initiated by WHO and SAICM (Strategic Approach to International Chemical Management). Dr Marks acted as a member of the steering committee for this project.

http://apps.who.int/iris/bitstream/handle/10665/183149/9789241509206_eng.pdf;jsessionid=023D8E2DA0973D1B63DDB1ED8EB3AA16?sequence=1

Dr Marks has published a part of the study in the African Journal of Emergency Medicine: A promising poison information centre model for Africa Volume 6, Issue 2, June 2016, Pages 64–69

Carine Marks, Niel van Hoving, Nick Edwards, Christopher Kanema, David Kapindula, Tom Menge, Caesar Nyadedzor, Clare Roberts, Dexter Tagwireyi, Joanna Tempowski

<https://www.sciencedirect.com/science/article/pii/S2211419X15001354>

Dr Marks has also presented the study results at two international Congresses:

1. 54th Annual Meeting and ToxExpo of the Society of Toxicology (SOT) San Diego, California from 22 to 26 March 2015.
A Poison Centre Model that will work in Africa.
Carine Marks, Joanna Tempowski, Nick Edwards, Clare Roberts, Hawa Senkora, Tom Menge, Dexter Tagwireyi, Caesar Nyadedzor
2. 17th World Congress of Basic and Clinical Pharmacology, Cape Town, South Africa, 13-18 July 2014

Feasibility for a Sub-Regional Poisons Centre in the East Africa Sub-Region
CJ Marks, JN Edwards, JH Tempowski, HS Senkoro, D Kapindula , C Kanema, D Tagwirey C Roberts, T Menge , C Nyadedzor

In 2014, Dr Marks was invited to attend the Eighth Meeting of Users of the IPCS INTOX Data Management System, Parc Hotel, Park Place, Cardiff, UK- (24-26 November 2014). Dr Marks was asked by Ms Tempowski (WHO) to present the following:

- South African data on pesticide exposures
- Poisonous snakes in South Africa
- Economic evaluation of a poisons centre in South Africa

Training:

Dr Marks has assisted the WHO with the training of poisons centre staff in Africa: (previous) Zimbabwe, Ghana, and Tanzania Uganda (2018)

In 2016, the Tygerberg Poisons Information Centre became a member of the WHO Chemical Risk Assessment Network and Dr Marks was invited to the Second Meeting of the WHO Chemical Risk Assessment Network that was hosted by the European Food Safety Authority (EFSA) in Parma, Italy 19-23 June 2017

Dr Marks was asked by the WHO to be part of three projects during 2018- 2019.

1. Updating the 1997 WHO (IPCS) publication Guidelines for poison control centres
2. Creating the new African Network of Poison Control Centers (ANPCC)
3. Training of the staff of the new Ethiopian Poisons Information Centre

- ***The Tygerberg Poisons Information Centre***

The Tygerberg Poisons Information Centre was established 40 years ago with the purpose of managing and preventing acute poisoning exposures in South Africa. We are successfully fulfilling this mission and in addition are playing a crucial role in the implementation of the national government's primary health care policy by improving medical care and by achieving savings in health care costs. The general public is very important to us. We believe that all citizens should have equal access to services and that they are entitled to full, accurate and safe poisoning treatment and information. Our service is cost-effective and efficient. We make it our responsibility to look for ways of saving costs and time, without compromising the quality of service we deliver to the patient. We are involved with toxicology education and training, both of health care professionals and the lay public. The production and distribution of posters, flyers and pamphlets on the initial management of poisonings provide community awareness and training. Advocating poisoning prevention and education in the media is a high priority. By sharing our data, we inform the government of the situation in South Africa, including details of acute and chronic poisoning cases, problems of environmental contamination, drug abuse and circumstances where hazardous chemicals causing significant morbidity and mortality.

Only ten countries in Africa have Poison Information Centres (PIC's): Algeria, Egypt, Ghana, Kenya, Madagascar, Morocco, Senegal, South Africa, Tunisia and Zimbabwe. This contrasts with Europe, the Americas and the Asia-Pacific region where most countries have a poison centre, and often more than one per country. Poisoning with chemicals, both synthesized and natural, presents a significant public health problem in developing countries and those in economic transition. It is difficult to obtain accurate figures for the number of poisoning cases in Africa since these are usually poorly documented. According to WHO estimates in 2008 there were 59,000 deaths in Africa and the Eastern Mediterranean (which equate to the UN region for Africa). In addition, unintentional poisoning caused the loss of over 1.5 million years of healthy life (disability adjusted life years, DALYs). In Eastern Africa in 2010, the Institute for Health Metrics and Evaluation estimated that unintentional poisoning accounted for 13,000 deaths and 734,000 DALYs. Unintentional poisoning is a more important cause of years of life lost due to premature death in Eastern Sub-Saharan Africa than in the developed world, ranking 30th in importance compared with 43rd globally and 65th in Western Europe. These figures underestimate the impact of poisoning since they do not include intentional self-poisoning or poisoning due to snakebite. It has been estimated, for example, that there are in the order of 7,800 deaths per year in the African region due to deliberate ingestion of pesticides and between 1,400 and 10,000 deaths from snakebite in eastern Sub-Saharan Africa.

The rapidly increasing role of chemicals in the economies of many countries in Africa, coupled with weak regulatory infrastructure, increases the likelihood of adverse health impacts. Exposure to poisonous substances is a particular problem in disadvantaged communities with limited access to health care facilities. This health burden, combined with the erosion in the capacity of the country to deal with such emergency medical situations, puts the lives of South African citizens at risk. Our country has an on-going need for poisons information and control centres and for increased capacities to deal with poisonings and chemical incidents. Poison centres initially were set up in first-world countries and increasingly also in developing countries where the roles and functions for such a service often differ from those in the first world. In South Africa the need for a PIC was documented in the Environmental Management Plan of the National Department of Health.

- **Centre of expertise:**

The Tygerberg Poisons Information Centre (TPIC) provides advice to both health care professionals and the general public regarding acute poisonings on a 24/7 basis. This enables health care professionals to manage acute poisonings rationally and efficiently, thereby minimising complications and avoiding unnecessary treatment. A significant number of exposures to poisonous substances are from children (48% of the TPIC's consultations), mostly caused by non-drug chemicals. The TPIC is internationally renowned for its expertise in the management of exposures to biological toxins, including envenomations by snakes, spiders and scorpions. 11% of the TPIC's consultations are related to exposures to biological toxins. According to the International Programme on Chemical Safety (IPCS), a PIC service offers considerable direct health benefits by reducing morbidity and mortality from

poisoning and enabling the community to make significant savings in terms of health care costs.

The TPIC can rapidly identify cases of exposure to substances that carry no toxic risk. We assist by distinguishing mild poisoning cases that can be treated by first-aid measures alone or by non-hospital medical personnel; moderate cases that can be treated in general health facilities and severe poisoning cases, which might need special facilities and equipment for treatment. We also prevent the unnecessary use of special antidotes and expensive treatments that may pose additional risks to patients. International data show that Poisons Information Centres save a great deal of health care expenditure, by preventing unnecessary hospital visits and treatment and in shortening hospital stays. Studies have demonstrated that each dollar spent on a PIC saved several dollars from being spent elsewhere in the health care system. In 2012, the American Association of Poison Control Centres commissioned a report on the cost effectiveness of US poisons centres. This showed a near 1:14 benefit for each dollar spent, equating to an estimated saving of USD 1.8 billion per year.

- **Data collection and toxicovigilance**

The TPIC systematically collect and analyse data on each poisoning consultation. Data on the pattern, incidence and severity of exposures identify trends in poisonings. They guide on awareness-raising and potential prevention strategies. Hence we provide a system of toxicovigilance that serves to identify new hazards and the epidemiology of new forms of poisoning, national trends in poisoning and the associated vulnerable populations and risk factors. Current toxicovigilance issues being investigated are the high incidence of Amitraz poisoning in South Africa, the illegal distribution and sale of aldicarb and phostoxin in townships as a rodenticide and the accidental overdose in neonates and infants with patent medicines.

- **Role in international public health**

South Africa has a legally-binding global agreement to protect public health. Countries are required to inform the WHO of any unexpected or unusual public health event, irrespective of origin or source. That includes disease outbreaks such as rabies or outbreaks caused by chemicals (e.g. lead poisoning) or radioactive agents. Our poison centre has the obligation to detect and respond to events caused by such agents and inform the WHO if the public health impact is serious, unusual, intentional, or in cases where there is a significant risk of international spread or release with potential spread across national borders.

- **Research**

Research is an important function of our centre. Our research findings are regularly published in peer-reviewed journals. The staff members actively participate in national and international conferences as well as international WHO workshops.

- **Capacity building by teaching and training**

There is a need in South Africa for training in toxicology at all levels of healthcare. At the TPIC, lectures are offered to medical doctors and specialists, pharmacists, pharmacist interns and nurses on the management of exposures to poisonous

substances. We provide practical training to clinical pharmacology and emergency medicine registrars as well as pharmacy interns. Trainees actively participate in the activities of the Poison Centre. The centre is located at the Faculty of Medicine and Health sciences, Tygerberg Campus of Stellenbosch University. Here we are actively involved in the teaching of medical students. To enhance clinical experience and demonstrate poisoning emergencies the students attend toxicology workshops.

- **Community interaction**

Public education and information programmes on the prevention and immediate management of acute poisoning are essential activities of both centres. The staff regularly contribute to radio programs, school talks and make presentations to the general public.

IUTOX positions held (with dates):

Member of IUTOX (since 2015)

Member Society positions held (with dates):

Member of the Executive Committee of TOXSA (since 2015)

Professional memberships and/or awards:

Member of the EAPCCT (since 2011)

Member of TIAFT (since 2016)

Member of PTCMA (since 2005)

Member of WHO Chemical Risk Assessment Network (since 2016)

Awards:

- Received the 2015 SOT/AstraZeneca travel award - the selection was based on outstanding qualifications as a scientist in a country where toxicology is underrepresented and on her research program and practice of toxicology.
- Awarded a congress attendance award from the European Association of Poisons Centres and Clinical Toxicologists (EAPCCT) to attend the 38th International Congress of the EAPCCT in Bucharest Romania 22-25 May 2018

SHORT CV
CARINE JOHANNA MARKS

WORK ADDRESS: Tygerberg Poison Information Centre, Division of Clinical Pharmacology, Department of Medicine, Faculty of Medicine & Health Sciences, Stellenbosch University.

ID: 6808260022082

PERSONAL SUMMARY

An experienced, enthusiastic and focused lecturer who is committed to safeguarding and promoting the education of students at all times. She is passionate about her job, enjoys working in a busy environment and relishes the challenge of managing a diverse workload. Carine is able to establish a supportive relationship with not only students but also co-workers, all with the aim of promoting and reinforcing a student's independence and self-esteem. She is someone who is fundamentally committed to good practise and innovation and who is very much a team player. Always engaged in continuous learning in order to broaden her knowledge and experience, she is confident, passionate and enthusiastic about working with students.

QUALIFICATIONS

Qualification	Institution	Year	Field of Study	Result
BSc Pharm	Stellenbosch University	1990	Pharmacology	Best final year student
Psychology I&II	UNISA	1997	Psychology	Cum laude
BSc Honours	Stellenbosch University	1998	Pharmacology	Cum laude
MSc MedSc	Stellenbosch University	2002	Pharmacology	Cum laude
Certificate:	Stellenbosch University	2013	Epidemiology	
Certificate:	Stellenbosch University	2015	Health Economics	

CURRENT STUDIES

Enrolled for MPhil Health Education (2018-2019)

EMPLOYMENT HISTORY

1991-1997: Pharmacist in retail pharmacy

1998-2002: Post graduate student at the University of Stellenbosch. Received training at the Poison Information Unit.

2002-2011: DUR (Drug Utilisation Review) Manager at Status Medical Aid Administrators. Responsible for directing Medication Usage Evaluation Studies and Performance Improvement Programs which are required by this Managed Care Organisation.

2011-Current: Director, Tygerberg Poison Information Centre, Division of Clinical Pharmacology, Department of Medicine, Faculty of Health Sciences, Stellenbosch University.

- Involved in the telephonic consultations during office hours, including those relating to toxicology and pharmacotherapy. Providing additional service as an after-hours consultant for the poisons centre. Interact with Tygerberg Academic Hospital staff at both administrative, teaching and clinical levels. Performing research activities relating to the Tygerberg Poison Information Centre's activities. Management of all administrative issues pertaining to the Tygerberg Poison Information Centre with both the Provincial Administration of Western Cape and the Department of Medicine.

2011-Current: Senior Lecturer at the Faculty of Medicine and Health Sciences, Stellenbosch University:

- Providing undergraduate and postgraduate lectures in toxicology and pharmacology.

TEACHING AND SUPERVISION

Type	Year of Student	Description of lecture	Role	Time period	Contact hours per year
Undergraduate	MB,ChB I	Toxicology	Lecturer	2016-2018	2
Undergraduate	MB,ChB II	Pharmacology	Lecturer	2011-2018	3
Undergraduate	MB, ChB III	Pharmacology	Lecturer	2011-2014	1
Undergraduate	MB, ChB V	Toxicology	Lecturer	2011-2018	8
Undergraduate	MBChB IV	Toxicology elective	Internal supervisor	2015-2018	2
Undergraduate	MBChB V	Toxicology elective	External supervisor	2011-2018	15
Undergraduate	MBChB V	Toxicology elective	Internal supervisor	2011-2018	4
Undergraduate	Physiotherapy III	Pharmacology	Chair of Module	2018	25
Postgraduate	BSc Hons (pharmacology)	Pharmacology	Co-chair and lecturer	2011-2016	20
Postgraduate	MSc Physiotherapy	Pharmacology	Lecturer	2011-2014	8
Postgraduate	Clinical Pharmacology Registrars	Toxicology	Lecturer and practical orientation	2011-2018	40
Postgraduate	Pharmacy Interns	Toxicology	Lecturer	2011-2018	20

Postgraduate	MPhil Emergency medicine	Toxicology	Lecturer	2015-2018	8
Postgraduate	BSc Hons (pharmacology)	Dissertation pharmacology	Co-supervisor	2011-2015	20

CURRICULUM DEVELOPMENT

I was responsible for the development of a Postgraduate Diploma in Medical Toxicology. Initiation of this course will be in January 2019; I will be the Chair of Module and Supervisor.

RESEARCH

PROJECTS

During 2012-2015 I was involved in a “Feasibility Study for a Sub-Regional Poison Centre in the East Africa Sub-Region”, initiated by WHO and SAICM (Strategic Approach to International Chemical Management). I acted as a member of the steering committee for this project.

I have been asked by the WHO to be part of two projects in 2018- 2019.

- Updating the 1997 WHO (IPCS) publication Guidelines for poison control centres.
- Creating the new African Network of Poison Control Centers (ANPCC)

PRESENTATIONS AT INTERNATIONAL CONGRESSES

- 38th International Congress of the European Association of Poisons Centres and Clinical Toxicologists (EAPCCT) in Bucharest Romania 22-25 May 2018:
 - *Marks CJ, Muller GJ, Sachno D, Reuter H, Wium CA, Du Plessis E, Van Hoving DJ.* The epidemiology and severity of scorpion envenoming in South Africa: data from the Tygerberg Poisons Information Centre over a 10 year period
 - *Marks CJ, Wium CA, Du Plessis CE, Reuter H.* Being Paracelsus – the toxicology educational card game.
- Second Meeting of the WHO Chemical Risk Assessment Network that was hosted by the European Food Safety Authority (EFSA) in Parma, Italy 19-23 June 2017:
 - *Marks CJ, Wium CA, Du Plessis CE.* The role of the Tygerberg Poisons Information Centre in public health
- 14th ICT Congress (Triennial International Congress of Toxicology) in Mexico: 2-6 October 2016:
 - *Marks CJ, Wium CA, Du Plessis CE, Stephen C, Mohamed F.* The initiation of a joint Poison Information Helpline, a unique service in Africa.
- 36th Congress of the European Association of Poisons Centres and Clinical Toxicologists –EAPCCT – 24 - 27 May 2016:
 - *Stephen CR, Leyser S, Roberts C, Mohamed F, Balme K, Curling L, Marks CJ, Wium CA.* AfriTox[®] TeleLog: The development of a novel web-based data collection tool for poison centre call data in South Africa.
- 35th Congress of the European Association of Poisons Centres and Clinical Toxicologists –EAPCCT – Malta from 26 - 29 May 2015:
 - *Marks CJ, Van Hoving DJ, Wium CA, Du Pleassis CE:* Poisoning exposures in infants: Data from the Tygerberg Poison Information Centre, Cape Town, South Africa.

- 54th Annual Meeting and ToxExpo of the Society of Toxicology (SOT) San Diego, California from 22 to 26 March 2015:
 - *Marks CJ, Tempowski J, Edwards N, Roberts C, Senkora H, Menge T, Tagwireyi D, Nyadzedzor C.* A Poison Centre Model that will work in Africa.
- 17th World Congress of Basic and Clinical Pharmacology, Cape Town, South Africa, 13-18 July 2014:
 - *Marks CJ, Edwards JN, Tempowski JH, Senkoro HS, Kapindula D, Kanema C, Tagwireyi D, Roberts C, Menge T, Nyadedzor C.* Feasibility for a Sub-Regional Poisons Centre in the East Africa Sub-Region
- 34th Congress of the European Association of Poisons Centres and Clinical Toxicologists –EAPCCT- Brussels from 27 to 30 May 2014.
 - *Tempowski J, Edwards N, Roberts C, Marks C, Senkora H, Menge T, Tagwireyi D, Nyadzedzor C.* Improving the availability of poisons centre services in Africa.
- 24th Congress of the European Association of Poison Centres and Clinical Toxicologists, Strasbourg, France, June 2004.
 - *Müller GJ, Hoffman BA, Marks CJ.* Acute poisonings: A prospective, comparative study of hospital admissions versus poison centre consultations.

PRESENTATION AT NATIONAL CONGRESSES

- Scholarship for Teaching and Learning Congress, 24-25 October 2017, Lord Charles Somerset West: poster presentation: Teaching Toxicology to Medical Students.
- The 12th AFRAS (African Arachnological Society) colloquium hosted by the University of the Free State and held at the Goudini Spa in the Worcester district, Western Cape, South Africa: 22-25 January 2017.
 - *Muller GJ, Marks CJ, Du Plessis CE, Wium CA, Dippenaar-Schoeman AS, Lotz LN.* Colloquium Workshop: Cytotoxic spider bite (necrotic arachnidism): facts and fallacies, spider identification, clinical manifestations, differential diagnosis and management.
- All Africa Congress on Pharmacology and Pharmacy, Muldersdrift, South Africa. 5 – 8 October 2016:
 - *Wium CA, Marks CJ, Du Plessis CE, Muller GJ.* A unique case of acute poisoning.
- 18th National Conference on Toxicology, 608 May 2002. University of Pretoria.
 - *Müller GJ, Marks CJ, Hoffman BA.* Acute Poisonings: A comparative, prospective study of hospital admissions versus poison centre telephone enquiries over a period of one year.

PRESENTATION AT ANNUAL ACADEMIC YEAR DAY

- 60th Annual Academic Year Day, Faculty of Medicine and Health Sciences, Stellenbosch University, 11 August 2016, Tygerberg Campus.
 - *Marks CJ, Wium CA, Du Plessis CE, Stephen C, Mohamed F, Reuter H.* The Poison Information Helpline of the Western Cape, an innovative and unique service in Africa
- 59th Annual Academic Year Day, Faculty of Medicine and Health Sciences, Stellenbosch University, 13 August 2015, Tygerberg Campus.

- *Marks CJ, Van Hoving DJ, Wium CA, Du Plessis CE*. Poisoning exposures in infants: Data from the Tygerberg Poison Information Centre, Cape Town, South Africa.
- 56th Annual Academic Year Day, Faculty of Medicine and Health Sciences, Stellenbosch University, 14 – 15 August 2013, Tygerberg Campus.
 - *Marks CJ, Muller GJ*. Best overall presentation (oral): Annual Academic Day Prize Winner / Internal medicine:
- 45th Academic Year Day, Faculty of Medicine, University of Stellenbosch, Tygerberg, 2002.
 - *Müller GJ, Van Zyl JM, Mödler H, Prendini L, Marks CJ, Hoffman B*. Venomous scorpions of southern Africa.
- XIIIth World Congress of the International Society on Toxinology. Paris, France, 2000.
 - *Van Zyl JM, Müller GJ, Marks CJ, Van der Walt JJ, Tytgat J*. Unique neurotoxic effects of minor adder (viper) bites: A report of 5 cases.

ARTICLES IN PEER-REVIEWED JOURNALS

- *Hunter LD, Gerber R, Lategan HJ, Marks CJ*. The burden of intentional self-poisoning on a district-level public Hospital in Cape Town, South Africa. *DJ Van Hoving, African Journal of Emergency Medicine* March 2018.
- *Du Plessis E, Müller GJ*. Berg adder (*Bitis atropos*): An unusual case of acute poisoning. *CA Wium, C J Marks, C SAMJ*, 2017; 107, (12): 1075-1077.
- *Marks CJ, Van Hoving DJ*. A 3-year survey of acute poisoning exposures in infants reported in telephone calls made to the Tygerberg Poison Information Centre, South Africa. *S Afr J Child Health*, 2016; 10 (1): 43-46
- *Marks C, van Hoving N, Edwards N, Kanema C, Kapindula D, Menge T, Nyadedzor C, Roberts C, Tagwireyi D, Tempowski J*. A promising poison information centre model for Africa. Un mode`le prometteur de Centre d'information antipoison pour l'Afrique. *African Journal of Emergency Medicine*. 2016; 6 (2): 64–69.
- *Marks C, van Hoving N, Edwards N, Kanema C, Kapindula D, Menge T, Nyadedzor C, Roberts C, Tagwireyi D, Tempowski J*. A promising poison information centre model for Africa. *Annals of Emergency Medicine*. 2016; 68, (1): A23–A24.

PUBLISHED ABSTRACTS FROM CONFERENCE OUTPUT

- *Marks CJ, Van Hoving DJ, Wium CA, Du Plessis CE*. Poisoning exposures in infants: Data from the Tygerberg Poison Information Centre, Cape Town, South Africa. *CLINICAL TOXICOLOGY*. 2014, 53 (4): 288-289

ARTICLES IN NON-PEER-REVIEWED JOURNALS

- *Muller GJ, Marks CJ, Wium CA, Du Plessis CE, Modler H, Veale DJH*. *CME*, Vol 30, No 10 (October), 2012.
 - Snake bite in southern Africa: diagnosis and management.
 - Spider bite in southern Africa: diagnosis and management.
 - Scorpion sting in southern Africa: diagnosis and management

BOOK CHAPTERS AND BOOKS

- *Marks CJ, Wium CA.* Toxicology. In: Wallis LA, Reynolds TA (eds): AFEM Handbook of Acute and Emergency Care. 1st Ed. Oxford University Press Southern Africa, 2013, 652 – 724.

REFEREEING FOR INTERNATIONAL JOURNALS:

I have reviewed papers for the African Journal of Emergency Medicine

PROFESSIONAL MEMBERSHIPS

- Registered as a pharmacist with the SA Pharmacy Council.
- Member of the European Association of Poisons Centres and Clinical Toxicologists (EAPCCT).
- Member of the Pharmaceutical Care Management Association of South Africa (PCMA).
- Member of the Executive Committee of the Toxicology Society of South Africa (TOXSA).
- Member of the International Union of Toxicology (IUTOX).
- Member of the International Association of Forensic Toxicologists (TIAFT).
- Member of the Network of African Poison Centres and Applied Toxicologists (NAPCAT).

AWARDS

1987-1990: BSc Pharm, Stellenbosch University (Reward - Best Final Year Student)

1. Best overall presentation (oral) at the 56th Annual Academic Year Day, Faculty of Medicine and Health Sciences, Stellenbosch University, 14 – 15 August 2013, Tygerberg Campus.
Prize Winner / Internal medicine: CJ Marks
2. Received the 2015 SOT/AstraZeneca travel award - the selection was based on outstanding qualifications as a scientist in a country where toxicology is underrepresented and on her research program and practice of toxicology.
3. In January 2015, I was elected as Member of the Executive Committee of the Toxicology Society of South Africa (TOXSA) and as an active member was asked and sponsored to attend the International Congress of Toxicology in Merida, Mexico during October 2016.
4. Awarded a congress attendance award from the European Association of Poisons Centres and Clinical Toxicologists (EAPCCT) to attend the 38th International Congress of the EAPCCT in Bucharest Romania 22-25 May 2018.