

PROFESSIONAL QUALIFICATIONS:

Science:

B.V.Sc. & A.H. (Veterinary Medicine): Punjab University, Chandigarh, India, 1957.
Post-Graduate Diploma: Mass Scale Production and Standardization of Vaccines and Sera, Indian Veterinary Research Institute, Izzetnagar, India, 1960.
M.Sc. (Microbiology): McGill University, Montreal, Canada, 1962.
Ph.D. (Microbiology): McGill University, Montreal, Canada, 1964.
Fellowship (Immunochemistry/Allergy): Medical Research Council of Canada, 1965.
Fellowship (Vaccines and Diagnostics): World Health Organization, Geneva, 1980.

Arts:

Numerous undergraduate and graduate courses at Carleton and Ottawa University, in comparative religion, mythology, philosophy, depth-psychology, hermeneutics and other related subjects on the historical interface of science and religion, 1982-84.

Management:

Senior Management Development: Public Service Commission of Canada, 1978.

Experience:

1957-1958: Veterinary Surgeon, Punjab State Veterinary Hospital, Mansa, India.
1958-1960: Research Officer, Vaccine Production, Punjab Government, India.
1960-1964: Teaching Assistant, Department of Microbiology, McGill University.
1964-1965: Post-doctoral Fellow, Royal Victoria Hospital, Montreal, Canada.
1965-1969: Director, Biological Research Division, Miles Laboratories, England.
1969-1987: Senior Scientific Advisor, Bureau of Drugs, Health Canada.
1974-1978: Special Assignment – Management Consultant, Health Canada.
1987-2004: Senior Scientific Advisor, Bureau of Veterinary Drugs, Health Canada.

Health Canada Committees:

- Drugs Directorate Representative on Health Canada Committee on Genotoxicity, 1987.
- Bureau of Veterinary Representative on Health Canada Committee on Risk Assessment versus Risk Management of the safety of food and drugs, 1996.
- Member, rBST Gaps Analysis Team on issues involving Bovine Growth Hormone, 1998.
- Member, Interdepartmental Committee on the safety of foods obtained from genetically modified (cloned) animals, 1999.
- Member, Health Canada Committee on Antimicrobial Resistance originating from farm animals, 1998-2003.

Senate Committee Witness:

- rBST Investigations: Senate Standing Committee on Agriculture and Forestry, October 22, 1998.
- rBST Investigations: Senate Standing Committee on Agriculture and Forestry, April 26, 1999.
- rBST Investigations: Senate Standing Committee on agriculture and Forestry, May, 3, 1999.
- Parliamentary Privilege Investigation: Senate Standing Committee on Standing Rules and Privileges, December 29, 1999.

Publications:

1. **The Wondrous Virgin: Poems by Shiv Chopra:** Vesta Publications, Ltd., 1983.
2. **THE HINDUS**, Essay Series, Ankur Literary Magazine, Ottawa, Canada, 1980-87.
3. **FOUR.FIVE: The Flood and Modern Science:** NOVA Science Publications Inc., New York, 1995. A critical literary study of Genesis 1-9, showing that contrary to common perception this most famous book of the Bible pertains to an ancient scientific knowledge of human origin, similar to the current concept of evolution with all its implications.
4. **FROM Bethlehem to Banares: In the formative years of Jesus:** (in preparation)
5. **BAR MITZVAH of Jesus:** (fiction – in preparation).

Science for the Public Good:

1. **IS YOUR FOOD SAFE?** PIPSC Conference on Canadian governance of food production and public safety (Ed.), May 7-8, 1999.
2. **CORRUPT TO THE CORE: Memoirs of a Health Canada Whistleblower**, KOS Publishing Inc., Toronto, Canada, 2009.
3. **CORRUMPUS jusqu'á la moelle:** Les éditions le mieux-être, Montebello, QC, Canada, 2009.
4. **Corrupt to the Core** (Indian ed.): Dr. Inderjit Kaur, All India Pingalwara Charitable Society, Amritsar, Punjab, India (for free distribution only), 2009.
5. **Genetic Engineering and Food Safety:** A Lecture Series in India, Deccan Development Society and South Action on Genetic Engineering, Pastapur, AP, India, 2010.
6. **GMO UPDATE** *Vitality Magazine*, Jul/Aug, 2010
7. **Food Safety, Food Security vs. GMOs**, *The Insider Story of Transgenic Bovine Growth Hormone*, Common Ground, November 2013.
8. **FIVE PILLARS OF FOOD SAFETY: How They Are Being Ignored by Regulators?** *Vitality Magazine*, Jul/Aug, 2014.
9. **HOW SAFE IS OUR FOOD, And whose interests are regulators serving?** *Vitality Magazine*, Jul/Aug, 2015.

DVD Presentations:

1. **Five Pillars of Food Safety:** Northica Media, Winnipeg, Canada, 2010.
2. **Food Security: who feeds whom?** Northica Media, Winnipeg, Canada, 2010.

3. **Vaccines: Prevention or Curse?** Northica Media, Winnipeg, Canada, 2010.

Articles:

- EMPLOYMENT EQUITY OF VISIBLE MINORITY PERSONNEL IN THE FEDERAL PUBLIC SERVICE OF CANADA: Study based on 1988 Treasury Board statistics, published in 1989.
- On the Road to Employment Equity: Report on political resistance to change, published in 1989.
- Canada's Visible Minority: A future profile in year 2010, published in 1990.

Social Service

Education

- Member, Citizens Committee on Multicultural Education for Ottawa and Carleton Boards of Education, 1981-84.
- Member, Citizens Committee on Curriculum Development for Ottawa and Carleton Boards of Education, 1981-87.
- Member, Judges Panel, High School Science Fairs in Ottawa.
- Frequent guest speaker at local high schools and police academy workshops on comparative religion and multiculturalism.

Sport: President, Eastern Ontario Field Hockey Association, 1975-85.

Community Service

1973-77: President, Indo-Canadian Community Center, Ottawa.

1981-82: National Secretary, National Association of Canadians with Origins in India.

1981-84: Member, Mayor's Religious Advisory Council, City of Ottawa.

1982-86: Member, Citizens Task Force on the Future of Work (year 2000), City of Ottawa.

1985-87: Citizens Committee for Public Education, Ottawa Board of Education.

1990-96: Chairman, Workplace and Employment Equity Committee, National Capital Alliance on Race Relations, Ottawa.

1990-92: Vice-President, National Capital Alliance on Race Relations, Ottawa.

1992-94: President, National Capital on Race Relations, Ottawa.

1996-present: President, Federation of Race Relations Organizations of Ontario.

2015-present: President [Canadian Council on Food Sovereignty & Health](#)

Public Service Appointments

- Member, Ottawa-Carleton Regional District Health Council (Order in Council Appointment), 1992-95.
- Member, Canadian Broadcasting Ombudsman's Independent Review Panel on 1997 Federal Election Coverage.

Union Service (Professional Institute of the Public Service of Canada – PIPSC)

- Member, Science Advisory Committee, 1999-2002.
- Member, Executive Committee, National Capital Region, 1999-2002.
- Member, Human Rights Committee, 1999-2002.
- Coordinator, International Forum on Whistleblowing, October 24, 2001.
- Coordinator, PIPSC Forum on Racism in the Public Service, ..., 2002.

Public Service Awards

- Citation for ideas and approaches to The Future of Work and Social Harmony by the Mayor and City of Ottawa, 1984.
- Civilian Commendation for “Outstanding Community Service” by Ottawa Police Board, 1992.
- Canada 125 Governor General Medal for “Outstanding Community Service”, 1993.
- 25 years long service award, Government of Canada, 1994.
- 50th Anniversary Universal Declaration of Human Rights Award for “Outstanding contributions to advance human rights in the workplace”, 2001.
- Canadian Whistleblowers Award for “Outstanding commitment to science for the public good”, by Council of Canadians, Sierra Club, Canadian Health Coalition and National Farmers Union, 2001.
- 35 years long service award, Government of Canada, 2004.
- Lifetime Achievement Award by Parbasi Punjabi Newspapers, Toronto, 2006.
- Public Service Award, NAVDANYA, India, 2007.
- Service to Science Award, G.A.D. Veterinary and Animal Sciences University, Ludhiana, Punjab, India, 2008.
- Navdanya Naoratna Gandhi Award, New Delhi for “Outstanding contribution toward defending Food Security and Food Safety through Science, Ethics and Public Policy, October 2, 2008.
- Public Service Award for “Outstanding Contributions to Science and Society”, Department of Botanical and Environmental Sciences, Guru Nanak Dev University, Amritsar, Punjab, India, October 16, 2008.
- Public Service Award, for Truth, Courage and Bravery to Safeguard Food Safety. Pingalwara, Amritsar, Punjab, India, October 18, 2008.
- Gujarat Vidyapith University: Kamalnain Bajaj Award for Science and Peace, February 2, 2009.
- Canadian Journalists for Free Expression Integrity Award, Fairmont Royal York Hotel, Toronto, November 24, 2011.

Media:

- Producer/Director of a T.V. series, entitled: Future of Work (Year 2000), with special focus on the social and economic impacts of rapid technological advancement, Ottawa Cable Vision, 1984.
- Panel Moderator on Ontario government funding of public and separate schools, Ottawa Cable Vision, 1985.

- Guest Speaker, “Radio Noon”, CBC Radio on: Racism in Ottawa-Carleton” (value of teaching religion in public schools), July 27, 1992

Public Lectures:

- **Visible Minority and Employment Equity.** Guest Speaker, Department of Correctional Services, September 27, 1991.
- **Race Relations and Mis-Education:** Dinner Speaker, Phi Delta Kappa, Ottawa University, April, 1993.
- **The Cultural Mix: Is it working?** Keynote Speaker. Conference on Seniors for Social Responsibility, June 26, 1993.
- **Religion in Education in the 21st Century:** Workshop on Education for Carleton Roman Catholic School Board Teachers, August 31, 1993.
- **God, Religion and Prayer of One Man.** The Kiwanis Club of Ottawa, February 21, 1997.
- **Public Forum on Racial Discrimination in the Federal Public Service.** Public Service Alliance, February 7-8, 1998.
- **Racism and Development.** Department of International Development Studies. St. Mary’s University, Halifax, November 13, 1998.
- **Race and Access to Justice: Movements toward the elimination of barriers.** The South Asian Law Students Association in combination with the Black Law Students Association, The Criminal Law Students Association and the Aboriginal Law Students Association, March 22, 1999.
- **Employment Equity Looking Forward. The Human Dimension.** Workplace experiences of Visible Minorities. Committee for Equal Access and Participation, Department of Canadian Heritage, March 25-29, 1999.
- **Boardroom Racism.** Joint Forum by Public Service Alliance of Canada, Professional Institute of the Public Service of Canada, National Capital Alliance on Race Relations and Federation of Race Relations Organizations of Ontario, March 21, 2001.
- **Aboriginal Peoples and Technological Developments.** International Workshop on Indigenous (Aboriginal and Tribal Peoples and Development), Jointly sponsored by St. Mary’s university, Halifax and Gujarat Vidyapeeth, Ahmedabad, India, February 22-24, 2002.
- **The Myth and Realities of the Canadian Human Rights Act.** Conference on meeting the Duty to Accommodate in Federally Regulated Workplaces, Ottawa, March 25-27, 2002.
- **Safety and Security of Food Supply in Globalized Canada.** Numerous speaking engagements across Canada sponsored by Council of Canadians, National Farmers Union and various universities, 2004-2008.
- **Safety and Security of Food Supply in Globalized India.** Various public meetings in different parts of India, 2007, 2008.
- **From Bethlehem to Banaras: In the Formative Years of Jesus.** Ecumenical Lecture. Wesley United Church, September 30, 2007.
- **History of Judeo-Christianity in India, Since St. Thomas (53 A.D.).** Wesley United Church, August 10, 2008.

- **Globalization, Food Security, Public Health and Prosperity.** Conference on Science and Peace, Gujarat Vidyapith, Ahmedabad, January 31, 2009.
- **Safety and Security of Food:** Lecture Series across New Zealand, June 1-13, 2010.
- **Safety and Security of Food:** Lecture Series across Australia, June 14-25, 2010.
- **Vaccine Safety:** 4th International Conference National Vaccine Information Center, Washington, DC, USA, October 2-4, 2010
- **Vaccine Safety: Prevention or Corruption?** Int. Conference on Vaccines, Vaccine Safety Foundation, Montego Bay,, Jamaica, January 1-7, 2011.
- **Back to the Future with Ayurveda:** Keynote Speaker: Total Health Show, Toronto, April 8-11, 2011.
- **FIVE PILLARS OF FOOD SAFETY:** Cross Canada Lectures, November 10-December 16, 2014.