

Heritage College, Hull	Professor	1992
McMaster University	Instructor, Lab Coordinator	1986 – 1991
University of Guelph	Instructor	1986 – 1988
Policlinic, University of Munich, Germany	Civil Service Technician	1978 - 1979

7. **LEAVES OF ABSENCE** (most recent first)

University, Company or Organization at which Leave was taken	Type of Leave	Dates
UNBC	Medical Leave	Jan-Aug 2016
University of Auckland, N.Z.	Research & Teaching (see the detailed itinerary on p. 6)	2005 – 2006
Otago Polytechnic, N.Z.	Leave of Absence	2003

8. **TEACHING** (most recent activity listed first)

(a) *Areas of special interest and accomplishments*

University of Alaska Fairbanks, Homeland Security & Emergency Management Program: Developed and delivered two level 4 sessions on human security

UNBC School of Education Curriculum Design Committee – A new draft BEd program for the School was collaboratively developed for implementation in 2020/21. It has passed the senate.

(UNBC) EDUC 441 – Collaborative planning of a new course focusing on student-directed inquiry; fully implemented in Winter 2019 and ready for 2021.

(UNBC) EDUC 387 – Authored an additional chapter for the course textbook (Pedretti, Bellomo & Jagger. 2015. *Explorations in Elementary School Science*. Pearson) addressing science education for sustainability. Revised edition used in 2018 and 2020.

(UNBC) Winter 2020: adapted and implemented EDUC 377 and 387 for online delivery and assessment. Analysis of the hidden curriculum in diverse educational settings (3 publications);

Education for sustainability at the primary, elementary, secondary and post-secondary levels (16 publications and one new book to appear in 2020);

Cultural safety and human security in education (13 publications);

Co-design of an interdisciplinary Masters program in human security (MGU, India);

Ethical challenges in education (6 publications);

(b) Courses Taught at UNBC

Session	Course Number	Scheduled Hours	Class Size	Hours Taught			
				Lectures	Tutorials	Labs	Other
W 2020	EDUC 377	2	25	2			
	EDUC 387	2	25	2			
	EDUC 638	3	15	3			
F 2019	EDUC 376	2	25	2			
	EDUC 340	2	25	2			
W 2019	EDUC 441	3	15				3
	EDUC 491	10	15		1	9	
F 2018	EDUC 421	3	15	3			
	EDUC 490	4	15		1	4	
W 2018	EDUC 377	2	16	2			
	EDUC 387	2	16	2			
F 2017	EDUC 376	2	16	2			
	EDUC 340	2	16	2			
W 2017	EDUC 491	10	12		1	9	
	EDUC 495	1	12	1			
F 2016	EDUC 421	3	11	3			
F 2015	EDUC 340	2	12	2			
	EDUC 376	2	12	2			
	EDUC 799	9	3				9
W 2015	EDUC 491	10	13		1	9	
	EDUC 495	1	13	1			
F 2014	EDUC 490	4	14		1	3	
	EDUC 421	3	14	3			
	EDUC 799	9	1				9
W 2014	EDUC 391	3	13		1	2	
	EDUC 377	2	13	2			
	EDUC 378	2	13	2			
	EDUC 799	9	2				9
F 2013	EDUC 340	2	13	2			
	EDUC 376	2	13	2			
	EDUC 799	9	2				9
W 2013	EDUC 491	10	14		1	9	
	EDUC 495	1	14	1			
	EDUC 799	9	2				9
F 2012	EDUC 490	4	14		1	3	
	EDUC 421	3	14	3			
	EDUC 799	9	2				9
W 2012	EDUC 391	3	15		1	2	
	EDUC 377	2	15	2			
	EDUC 378	2	15	2			
	EDUC 602	4	18	3		1	
	EDUC 799	9	1				9
F 2011	EDUC 340	2	15	2			
	EDUC 376	2	15	2			
	EDUC 602	4	14	3		1	
	EDUC 799	9	1				9
S 2011	ENVS 414	3	8	3			

W 2011	EDUC 491 EDUC 495 EDUC 799	10 1 9	30 30 1		1	9	9
F 2010	EDUC 490 EDUC 421 EDUC 799	4 3 9	30 30 1	1	1	3	9
W 2010	EDUC 391 EDUC 377 EDUC 378	3 2 2	30 30 30	2 2	1	2	
F 2009	EDUC 340 EDUC 376	2 2	30 30	2 2			
S 2009	EDUC 392	3	18		1	2	
W 2009	EDUC 491 EDUC 495	10 1	29 29	1	1	9	
F 2008	EDUC 490 EDUC 421 EDUC 602	4 3 4	29 29 15	3 3	1	3 1	
S 2008	BIOL 110 BIOL 111	3 1	20 20	3		1	
W 2008	EDUC 391 EDUC 377 EDUC 378	3 2 2	30 30 30	2 2	1	2	
F 2007	EDUC 340 EDUC 376	2 2	30 30	2 2			
S 2007	MATH 190	4	25	4			
W 2007	BIOL 110 BIOL 203	3 3	50 82	3 2		1	

(c) Graduate Students Supervised and/or Co-Supervised)

Student Name	Program Type	Year		Principal Supervisor	Co-Supervisor(s)
		Start	Finish		
Mahima Rai	Bachelor Hons (FU Berlin)	Aug 2017	Dec. 2018	x	
A. Szabo, C. Appoh, D. Harker	M.Ed., M.Ed., M.Sc. M.Sc.	Fall 2015 Fall 2015 Fall 2016	Fall 2015 Wint 2016 Fall 2017		SC member SC member SC member
Jonathan Stone	M.Ed. (MDL)	Fall 2011	2015	X	
Janet McDonald	M.Ed. (MDL)	Fall 2009	2015	X	
Dana Moran	M.Sc. (Univ. of Auckland)	2003	2006		X

(d) *Courses Taught at Other Universities*

Course #	Title	Year(s)	Level ⁽⁹⁾
(varied) ⁽⁷⁾	Human Security	2005, 06, 07	grad.
Biosci 739 ⁽⁶⁾	Dialogues in Biology	2004	grad.
Biosci 104 ⁽⁶⁾	NZ Ecology and Conservation	2004, 05	I
Biosci 103 ⁽⁶⁾	Comparative Animal Biology	2003	I
NZCS/NDS Science ⁽⁴⁾	Molecular Biology	1998-2002	NZQA levels 5,6
NZCS/NDS Science ⁽⁴⁾	Biochemistry	1995-2002	NZQA levels 5,6
NDS Level 4 ⁽⁴⁾	Practical Bioscience	1997	NZQA stage 3
ASH Maths ⁽⁴⁾	Maths for Applied Science & Health	1994,95,96,97	NZQA stage 2
NZCS Science ⁽⁴⁾	Laboratory Practice	1995,96	NZQA stage 3
BITC 301 ⁽⁵⁾	Introduction to Bioethics	1995,96	III
65-426 ⁽³⁾	Microbial Technology	1986	IV
Bio 3N06 ⁽¹⁾	Developmental Biology	1986	III
Bio 4P06 ⁽¹⁾	Molecular Genetics	1986,87	IV+grad.
Bio 4A03 ⁽¹⁾	Molec. Biol. Laboratory	1987,88	III,IV
Mol.Bio.3A06 ⁽¹⁾	Molec. Biol. Laboratory	1989,90	III
Bio 3HH3 ⁽¹⁾	Cell Interaction and Proliferation	1989,90	III
Bio 2E03 ⁽¹⁾	The Animal Kingdom (laboratory)	1989,90	II
Bio 1A06E ⁽¹⁾	Adaptation in the Biological World	1989,91	I
Bio 3126 ⁽⁸⁾	General Microbiology Laboratory	1991,92,93	III
Bio 3123 ⁽⁸⁾	Aspects of Applied Microbiology	1992,94	III
Bio 3124 ⁽⁸⁾	General Microbiology	1993	III
Bio 1300 ⁽⁸⁾	The Human Animal	1992,93	I
Bio 1110 ⁽⁸⁾	Introduction to Cell Biology	1993	I
Bio 2114 ⁽⁸⁾	Cell and Developmental Biology	1992,93	II
Bio 2113 ⁽⁸⁾	Genetics	1994	II
Bio 401 ⁽²⁾	General Biology II	1991	I
Bio 999 ⁽²⁾	Invitation to Biology	1992	1st yr. college

- Locations:
- ⁽⁸⁾ Dept. of Biology, University of Ottawa, Ontario, Canada
 - ⁽⁷⁾ Univ. of Sofia, Bulgaria and European Peace University, Austria
 - ⁽⁶⁾ School of Biological Sciences, University of Auckland, N.Z.
 - ⁽⁵⁾ Bioethics Research Centre, University of Otago Medical School, N.Z.
 - ⁽⁴⁾ School of Science & Vet. Nursing, Otago Polytechnic, Dunedin, N.Z.
 - ⁽³⁾ Dept. of Environmental Biology, Univ. of Guelph, Ontario, Canada
 - ⁽²⁾ Dept. of Science, Heritage College, Hull, Quebec, Canada
 - ⁽¹⁾ Dept. of Biology, McMaster University, Hamilton, Ontario, Canada

Levels: ⁽⁹⁾ Roman numerals in the Canadian system refer to academic years after 13 or 12 years of public schooling.

(e) *Continuing Education Activities*

UNBC course HHSC/NRES 760 "Field School in Human Ecology"	enrolled Spring 2017
Completed training as graduate supervisor, University of Auckland	2005
Occasional Lecturer, University Extension Dept., University of Otago, N.Z.	1994-1995
Lecturer, Dept. of Continuing Education, McMaster University, Hamilton, Ont.	1989-1991
Teaching Assistant, Dept. of Continuing Ed., University of Guelph	1984

(f) *Visiting Lecturer (university/organization and dates)*

Friedrich Schiller University, Jena, Germany, Institut fuer Bildung & Kultur;	2017 & 2019
University of Teacher Education Lucerne (PHLU), Switzerland	2015 & 2016
Mahatma Gandhi University, Kottayam, Kerala, India	2005 & 2006
University of Sofia, Bulgaria	2006
European Peace University, Stadtschlaining, Austria	2005, 2006
U21 Summer School, University of Lund, Sweden	2005
University of Auckland, School of Geography & Environmental Science	2003-2005
Auckland University of Technology, International Relations Course	2003
University of Otago, Master in Environmental Science Program	2000 - 2003

(g) *Other*

Examiner, Honours and Masters theses, UNBC and other universities	2014-present
Comments on thesis drafts for Honours, Masters and doctoral theses	2009-present
Workshop Instructor, Center for University Teaching, University of Ottawa	1991-1994
Workshop Instructor, Bioethics Research Centre, University of Otago, N.Z.	1994-1995

9. SCHOLARLY AND PROFESSIONAL ACTIVITIES (most recent listed first)(a) *Areas of special interest and accomplishments*

Member, UNBC Climate Change Research Cluster	2018 - present
Collaborator, CoPEH-Canada academic working group on Ecohealth	2017 - present
Associate, Gaia University	2017 - present
Completed a MOOC "Planetary Boundaries & Human Opportunities", Stockholm Resilience Centre, University of Stockholm, 14 September – 6 November 2015.	
Education for sustainability at UNBC (occasional workshops and meetings; textbook chapter)	
Education in human security (first university textbook on the subject, published 2013;	
Sustainable development and human security (several publications; SSHRC and BCRHRN Applications 2009; ongoing collaborations with colleagues in India)	
Cultural safety in public education:	
Ongoing collaborations with colleagues at the UNBC School of Education on cultural safety in the professional development of BC teachers	
Visit with the University of Teacher Education, Lucerne, Switzerland (June 2015) led to an MOU with UNBC and an invitation to return as a guest professor in 2016.	
Investigated affective learning outcomes and education for sustainability; book published 2010;	
Professional ethics of scientists (several publications)	
Developed curriculum for continuing and postgraduate medical education in bioethics (U Otago).	
Studied alternative methods of curriculum planning in postsecondary education. (MScT. Project)	
Studied the physiology and genetics of industrial strains for the malo-lactic fermentation of wines. (M.Sc. thesis)	
Studied the population genetics of a genetically engineered strain of bacteria in varying environments. (Dipl. Biol. thesis)	
Karyotyping and clinical tests for the prenatal and postnatal diagnosis of chromosomal defects.	

(b) *Research or equivalent grants (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC)).*

Granting Agency	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)
IDRC	Food Security in East African States	C	(pending)	2021		X
UNBC	Publication Grant for Textbook 2 nd edition	C	5,000	2019	X	
SSHRC Exchange Grant	Conference Presentation (Travel Grant)	C	2,310	2019	X	
IC-Impacts COE Canada & Dept. of Biotech India	Health Security in Small Rural Communities	C	n/c	2015		X
UNBC	Travel Grant	NC	2,550	2013	X	
UNBC Research Office	Travel to CPRA conference and our book launch	NC	1,500	2013	X	
UNBC	Publication Grant for Textbook Project	C	5,114	2012	X	
EU Regional Development Fund	Sustainable Development (NRDC Conferences in Sundsvall & Östersund, Sweden)	NC	Travel expenses (4,000)	2011		X
NATO	Educational Risk Factors in Suicide Terrorism	C	travel expenses (5,000)	2010		X
UNBC	Travel Grant	NC	3,000	2009	X	
University of Auckland	Affective Learning Outcomes in Biology Students	C	7,000	2004-05	X	
Otago Polytechnic	Isoenzymes in Agricultural Cultivars	C	2,000	2004	X	
University of Auckland ST Disc Fund	Environmental Ethics & Education	NC	1,906.77	2003	X	
STLHE	Postsecondary Curriculum Planning	C	1,600	1993	X	
McMaster University	Educational Software Survey	C	1,800	1990		X

- (c) *Research or equivalent contracts (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC)).*

Granting Agency	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)
Open Society Institute AFP Program	Teaching on Human Security at the University of Sofia	C	2,950	2006		X

- (d) *Invited Presentations*

“Universal and Pluralistic Features in Education for Sustainability”. Summary Keynote at a Symposium entitled *Global Teaching, Postcolonial Teaching* at the University of Jena, Germany, 2 July 2019.

“Ethics, Culture and Sustainable Development” & “Ethics, Human Security and Sustainable Development”. Two presentations at the Paedagogische Hochschule Luzern, Switzerland, 10 May and 25 October 2016.

“Teaching Scientific Literacy for Sustainable Natural Resource Management”. Public Presentation, UNBC Northwest Campus, Terrace B.C., 3 December 2014.

Harrison, E., Lautensach, A. & V.L. McDonald. Cultural Safety on Campuses: What’s Behind the Mask? Professional Development Workshop given at Northwest Community College, Terrace, 11 March 2010.

Lautensach, S. & A. Lautensach. Defining our contribution to human security: How can NZFGW provide initiative and leadership? Workshop presented at *Women – Achieving Change*, NZFGW Triennial Conference, Wellington, New Zealand, 7 October 2006.

Lautensach, S. & A. Lautensach. What you always wanted to know about publishing. Presented at the RESET Conference, European Centre, Veliko Turnovo, Bulgaria, 12 March 2006.

“Visions of Smart, Sustainable, Inclusive Development”. Panel contribution, Conference on Innovative Strategies for Northern Regional Development (sponsored by EU Regional Development Council), Östersund and Sundsvall, Sweden, 14-17 June 2011.

“Education for Sustainability: A vision of how not to miss the (life) boat”. Public Presentation, UNBC Northwest Campus, Terrace, B.C., 16 April 2009.

“Human Security”. University of Ljubljana, Slovenia, 9 November 2006.

“Human security in the Asian context”. School of History, Politics and Strategic Studies, Kebangsaan University, Kuala Lumpur, Malaysia, 13 October 2006.

“Defining our contribution to human security: How can NZFGW provide initiative and leadership?” Workshop at the Triennial Conference of the NZ Federation of Graduate Women (NZFGW), Wellington, NZ, 7 October 2006.

“Looking to the Future: The imperative for a comprehensive concept of human security”. Department of International Relations and Politics, Mahatma Gandhi University, Kottayam, Kerala, India, 2 February 2006.

“Education for Sustainability”. Department of Education, Mahatma Gandhi University, Kottayam, Kerala, India, 1 February 2006.

(e) *Other Presentations*

“Five Rs and One Hole in the Ground”. Panel Presentation on a proposed landfill project, Northwest Community College, Terrace, 13 May 2013.

“Why publish a textbook of human security?” Public presentation & book launch, 12 March 2013, UNBC NW campus, Terrace, B.C.

“My Goals and Experiences as Educator Under the Sustainability Imperative”. Panel presentation at the annual SEAP (Sustainability Education Across the Province) conference, UNBC Prince George, 26 October 2012.

(f) *Other: Sabbatical 2005/6 Itinerary*

Dates	Location / Institution	Activity
5-7 July 2005	Mansfield College, Oxford University, UK	Paper presentation at 4 th Global Conference on Environmental Justice and Global Citizenship
9-16 July	University of Lund, Sweden	Universitas 21 Summer School of Sustainable development
29 July	University of Oslo, Norway	Visit with colleague
2-5 August	Homerton College, University of Cambridge	Paper presentation at the 3rd Int. Conference on New Directions in the Humanities
16-19 August	UN Mission, Sarajevo, Bosnia-Herzegovina	Paper presentation at the International Conference on Sources of Insecurity
24-27 August	Bilgi University, Istanbul, Turkey	Paper presentation at the 1 st Global International Studies Conf. (WISC); visit with the Department of International Relations
September	Assos region, Turkey	Field Studies on the history of philosophy
25 September	Brandenburgische Technische University, Cottbus, Germany	Visit with a Colleague
9-13 October	University of Bonn, Germany	Paper presentation at the 6 th Open Meeting of the Human Dimensions of Global Environmental Change Research Community
15-20 October	European Peace University, Stadtschlaining, Austria	Teaching a block course on human security, MA program
30 October	University of Ljubljana, Slovenia	Presentation on human security
January 2006	University of Kerala, Trivandrum, and Mahatma Gandhi University, Kottayam, India	First visit to Kerala, with various departments, guest presentations & teaching
7-10 & 14 March	University of Sofia, Bulgaria	Teaching a block course and a workshop in the department of political science, MA program (funded by the Open Society Institute)

11-13 March	European Centre, Veliko Turnovo, Bulgaria	Presentation at the RESET Conference (organised by the Open Society)
16-18 March	Kos, Greece	Field studies on the history of health security
18-25 May	Kebangsaan University, Kuala Lumpur, Malaysia	Visits with department of political science; Presentation on human security in South Asia
30 May – 15 June	School of International Relations and Politics and School of Pedagogical Sciences, Mahatma Gandhi University, Kottayam, Kerala, India	Second visit to Kerala; guest presentations; organising collaborative projects.
26- June	Chisinau, Moldova	Conference on Border Security in Europe (funded by the George C Marshall European Center for Security Studies)
7 October	Wellington, New Zealand	Workshop presented at <i>Women – Achieving Change</i> , NZFGW Triennial Conference
9-18 October	Kuala Lumpur, Malaysia	Follow-up visit to Kebangsaan University
1-5 November 17 November	European Peace University, Stadtschlaining, Austria	Teaching a second block course on human security, MA program Symposium on peace studies
22 November	Arrival at UNBC	

(g) *Conference Participation (Organizer, Keynote Speaker, etc.; not including attendance only)*

“Buendelung: Bildung zur Nachhaltigkeit” Keynote Address at the Conference Teaching Global, Teaching Postcolonial, 1-2 July 2019, Friedrich Schiller University, Jena, Germany.

“Human Security: the Last Best Chance for Biologists to Save the World?” Keynote address at the 10th Annual Conference of the BC Association of Professional Biologists, 23 April 2015, Prince George, B.C.

Member, Steering Committee, Environmental Justice and Global Citizenship Conference, InterdisciplinaryNet & Oxford University 2014.

Lautensach, S. & A. Lautensach. A Textbook of Human Security as a Means to Promote Peace. Keynote Address at the annual CPRA conference, University of Victoria, B.C. Canada, 6-8 June 2013.

Lautensach, S. & A. Lautensach. Prioritising the Variables Affecting Human Security in South-East Asia. Keynote presentation at the Conference on South-East Asian Studies, 28-29 May 2010, Vienna, Austria.

Co-organised the First International Symposium for Ecosystem Health and Medicine, June 1994, Ottawa.

10. SERVICE TO THE UNIVERSITY (most recent activities listed first)

(a) *Memberships on committees, including offices held and dates*

UNBC School of Education Curriculum Design Committee	2018 - 19
SSHRC Canada Graduate Scholarship Committee (UNBC)	2017 – 19
Provost’s Committee on Pedagogical Practices, UNBC, Action Group Learning Outcomes	Fall 2015-16
BSc (integ) UNBC –NW campus working group	2011

Regional faculty representative, UNBC Green University Planning Committee (GUPC)	2010-present
Member-at-large (term), UNBC Faculty Association Exec.	2009-10
Hiring committees for UNBC NW office staff	2008-10
Member, academic research ethics committee, Otago Polytechnic	1997-2002
Member, research & scholarship committee, Otago Poytechnic	2000-2003
Staff representative at Faculty Board, Otago Polytechnic	1999-2002

(b) *Other service, including dates*

Interview (1 h) with graduate researcher on education for sustainability with a focus on the millennial generation (Term Research Project, second year marketing communications project at BCIT)	5 Oct 2018
Advised three international applicants to UNBC Masters Programs	2017
Visit to UBC Faculty of Education and CIRS	31 July – 4 August 2017
Invited speaker, Conference on Ecology, War & Disease, Concordia University.	May 2016
Established connections and initiated a dialogue with the University for Teacher Education, Lucerne, Switzerland, leading to the signing of an MOU with UNBC.	2015
2 nd Sustainability Café (Chaired), UNBC campus, Doug Little Lounge, 2 Dec.	2014
Participated in UNBC professional development events, including the following: Education Roundtable, UNBC Prince George, SEAP (Sustainability Education Across the Province) conference, UNBC Prince George, CTLT conferences for Teaching & Learning Annual school retreats involving program reviews & revisioning	2014 26 October 2012 2009, 2010
Participated in planning for the Green Challenge, UNBC NW campus.	January 2009.
Designed and successfully implemented undergraduate laboratory experiments in zoology, molecular biology, and microbiology. Coordinated university teaching assistants	1988-2005.
Initiated and organised joint research seminars in science education between the School of Biological Science and the Faculty of Education, University of Auckland.	2004
Represented the University at a session to review the University of Stuttgart's Winter University Proposal	5 May 2004
Coordinated academic programs, including student advising, curriculum design and e-learning.	1998-2003

11. **SERVICE TO THE COMMUNITY** (most recent activities listed first)

(a) *Memberships on scholarly societies, including offices held (the default is membership only) and dates*

SIETAR-BC (Society for Intercultural Education, Training and Research)	2017 - present
ACUNS (Academic Council on the United Nations System)	2014 – 15
ESERA (European Science Education Research Association)	2013 - present

NRESI (Natural Resources & Environmental Science Institute)	2013 - present
Environmental Justice and Global Citizenship Steering Group (Oxford U.)	2013-2014
Canadian Peace Research Association (CPRA)	2013
Southern Russian Academy of Sciences	2009 - present
NWATE (Northwest Association of Teacher Educators)	2009
GEIG (Global Ecological Integrity Group)	2007 - 2011
Advisory Board, Centre for Security & Strategic Studies, Mahatma Gandhi U., Kottayam, India.	2006 – present
Human Security Institute (Deputy Director)	2005 - present
Human Dimensions of Global Environmental Change Research Community	2005
Universitas 21 Educational Innovations Network (through U of Auckland)	2005
School of Biological Sciences, U of Auckland, Teaching & Learning Group	2004 - 2005
AARE (Australian Association for Research in Education)	2004
Higher Education Research and Development Society of Australasia (HERDSA)	2004
ISEE (International Society for Environmental Ethics),	2003 - present
NZIGE (NZ Institute for Gene Ecology)	2003 - 2005
QPEC (Quality in Public Education Coalition)	2003 - 2005
NZAAE NZ Association for Environmental Education	2000 - 2005
Ecopolitics Association of Australasia	1998 - 2001
Society for Teaching and Learning in Higher Education (Canada)	1988 – 1994

(b) *Memberships on other societies, including offices held and dates*

Endorser, Alliance of World Scientists, http://scientistswarning.forestry.oregonstate.edu/	14 Dec 2017
Council of Canadians, Terrace chapter, executive member	2015 - present
Terrace community greenhouse committee	2009
Terrace Sustainable Food Community Group (meetup.com)	2009 - present

(c) *Memberships on scholarly committees, including offices held and dates*

Environmental Justice & Global Citizenship Steering Group (Oxford Univ.)	2013-14
Board member, 21 st Century Renaissance Community Trust.	2008-9

(d) *Memberships on other committees, including offices held and dates*

UNBC NW Campus Green Action Committee	2011 - present
Director & Secretary, Board of NSIS (Northwest Science & Innovation Society), Terrace http://www.nsis.ca	2007-2013

(e) *Editorships (list journal and dates)*

Member, Advisory Board, series “Culture and Education”, Schoeningh Publishers	Dec. 2017 – present
Member, Advisory Board, series “Kultur und Bildung”, Schoeningh Publishers	Dec. 2017 – present
https://www.schoeningh.de/katalog/reihe/kultur_und_bildung.html	
Co-editor, <i>Human Security in World Affairs</i>	(Vienna: Caesarpress 2013)
Associate Editor, <i>Journal of Human Security</i> (ISSN: 1835-3800)	2005 - present
(formerly the <i>Australasian JHS</i>) http://librelloph.com/ojs/index.php/journalofhumansecurity	

Associate Editor, <i>International Journal on Environmental, Cultural, Economic and Social Sustainability</i> http://onsustainability.com/journal/	2010 - 2012
Editorial Advisor, <i>Indian Journal of Politics and International Relations</i> . http://ijpairmguniversity.blogspot.com/index.html	2007 - present
Member, editorial boards or international advisory boards	
<i>Annals of Bioethics & Clinical Applications</i>	2018 - present
<i>Malaysian Journal of History, Politics and Strategic Studies (JEBAT)</i>	2006 – present
<i>Challenges in Sustainability</i>	2013 - present
MASAUM Journal of Education	2012 - 2013

(f) *Reviewer in 2018-20 (journal, agency, etc. including dates)*

Journal of Sustainability Education (JSE)
Annals of Bioethics & Clinical Applications
University J of Educational Research (Horizon Research Publishing) (x3)
Ecopsychology
Journal of the Canadian Association of Curriculum Studies (JCACS)
Journal of Bioethical Inquiry
Journal of Human Security (Librello Publ.)
The ABCA Journal (Sage)

Reviews were done prior to 2018 for:

ICE Conference Stockholm (Clute Institute) (2017), *Canadian J of Curriculum Studies* (2016), *Journal of Bioethical Inquiry* (2015, 2014, 2013, 2012 x2, 2011 x2, 2010), *British Journal of Education, Society & Behavioural Science* (2015, 2014, 2013), *Challenges in Sustainability* (2013), Horizon Research Publishing (*University J of Educational Research*) (2015, 2017 x5), *Journal of Human Security* (every year), *Journal of Social Science & Medicine* (2013), *MASAUM Journal of Education* (2012), *Journal of Research and Reflections in Education* (2015, 2014, 2013, 2012), *Ecopsychology* (2014, 2012), *Sustainability* (2012), *International Journal of Environmental, Social, Economic & Social Sustainability* (2011 x3, 2009), *Value, Place & Environment* (2009), *Sapiens* (2009), *Northwest Passages* (2010 x2), *Scientometrics* (2015), *Solutions* (2010 x2), *Universal Journal of Educational Research* (2015), *NZ Journal of Bioethics* (2003) and the Institute for Development Programs & Research (IDPR) (2009). *Educational Philosophy & Theory*, *Journal of Teacher Education*, *Journal of Ecopedagogy*, *International Journal of the Humanities*, *Canadian Journal for Teacher Education*

(g) *External examiner (universities and dates)*

Freie Universitaet Berlin, BA.Hons. thesis	2018
University of Southern Queensland, M.A. thesis	2016
University of Auckland, M.Sc. thesis	2007
University of Otago, M.Sc. thesis	2002
University of Otago, M.A. thesis	2002

(h) *Consultant (organization and dates)*

DACCs Consulting & Kitimat Valley Institute, Adult Education Program: curriculum consultant	2018
Gaia University: Evaluation and revision of institutional assessment system	2017-pr
Reviewer of a textbook in Teacher Education (<i>MacMath: Assessment driven planning</i>), Pearson Education (Canada)	2016
Sustainability education; consultant in curriculum planning, Samdrup Jongkhar Initiative, Bhutan	2011
Mentoring for secondary students (Synapse, Dreamcatcher programs through CIHR)	2011-2016

(i) *Other service to the community:*a. *Professional development of teachers*

- Participant, BC Rural Education Strategy Review 2017 4 May 2017
- Feedback comments on the proposed new TRB Standards 2 March 2017
- “Empowering Your Science Teaching Through Holistic Education”. Workshop for in-service teachers at the professional development conference at UNBC Terrace, 30 May 2014.
- “Finding science, math and art in the world’s oldest musical instrument”. Workshop for teachers at the professional development conference “Quality Street Teaching” at UNBC Terrace, 31 May 2013.
- Correspondent with the Network of Performance Based Schools www.npbs.ca
- Emergency Responder II Certificate 2001

b. *Connecting teacher education with the local community*

- Ongoing project: *Creating Futures* – a podcast series on diverse topics of public interest
<http://blogs.unbc.ca/hsi/main/podcasts-creating-futures/>
- Information booth for the Council of Canadians (Terrace chapter), World Water Day 22 March 2018
- Information booth on environmental security, Earth Day, Terrace Public Library 22 April 2017
- “What a Long, Strange Trip It’s Been – My Ten Years in the Northwest BEd Program”. Contribution to the October 2016 BEd (Terrace) Newsletter.
- Contributor, BC Council for International Cooperation (BCCIC) Roundtable Discussion on Sustainable Development Goals, Northwest community College (Terrace), 29 April 2016.
- Blue Dot community activity April 2015, Terrace Public Library
- Currently working to design a program for teachers to upgrade their professional certification levels, to be implemented at UNBC in 2016.
- Coordinated public math fairs in 2007, 2009, 2011, 2013, 2015 and 2017 with teacher candidates for elementary students in the Terrace region;
- Currently working with district administrators on transferring part of our teacher education into a local school (according to John Dewey’s concept of the Laboratory School)
- Contributed to the First Nations Diploma in Language & Culture (DSTC) as a prerequisite for teacher training to accommodate indigenous minorities. (2007-9)
- Member of local committees on sustainable food security; held workshops on food preparation.
- Faculty Sponsor of BEd student Green Projects 2008 & 2016
- Contributed to “Incredible Science” community fair, University of Auckland, 6 July 2003.

12. AWARDS AND DISTINCTIONS

(a) *Awards for Teaching (indicate name of award, awarding organizations, date)*

UNBC Centre for Teaching, Learning and Technology's Recognition Certificate (March 2010)
Teaching Improvement Grant, University of Auckland, 2004

(b) *Awards for Scholarship (indicate name of award, awarding organizations, date)*

Best Paper, International Conference on Education, Stockholm, 4-7 June 2017

Honorary Research Fellow, school of Biological Science, University of Auckland, 2005

(c) *Awards for Service (indicate name of award, awarding organizations, date)*

Appreciation of chairing academic conference sessions (IJAS 2011, 2013; Pixel 2013)
Appreciation for Ten Years of Service with UNBC

(d) *Other Awards*

Winner, Earth Overshoot Day Competition 2020, Global Footprint Network, with UNBC student Bruce Smart. https://www.overshootday.org/2020-guess-the-date-winner/?utm_campaign=EOD%202020&utm_medium=email&_hsmi=89030226&_hsenc=p2ANqtz--Qvqi3PgM_VLOs9eHoOvO5f46QIRKDIzfhhjDMmY6C54f3wIKW5PPbPn-Hh459qWUQwRHhI9mwWxW_QvPPVS8EZVpNETbWi64EvWI5ui_KBmf4CHM&utm_content=89030226&utm_source=hs_email

13. OTHER RELEVANT INFORMATION (Maximum One Page)

1978-1979 Official conscientious objector to the military draft in Germany; worked instead in the German civil service (Zivildienst) in a public hospital.

THE UNIVERSITY OF NORTHERN BRITISH COLUMBIA
Publications Record

SURNAME: Lautensach

FIRST NAME: Alexander
MIDDLE NAME(S):Initials: K
Date: Jan 20191. **REFEREED PUBLICATIONS** (most recent listed first)(a) *Journals*

Lautensach, S.W. & A.K. Lautensach. 2019. What Future for International Development in the Anthropocene? *Indian Journal of Politics & International Relations (IJPAIR)* (Special Issue). (forthcoming)

Lautensach, A.K. & S.W. Lautensach. 2018. Learning Sustainable Cultural Safety in a Crowded, Warming World. *Journal for Sustainability Education* (March).
http://www.susted.com/wordpress/content/learning-sustainable-cultural-safety-in-a-crowded-warming-world_2018_06/

Lautensach, A.K. 2018. Learning for Biosphere Security in a Crowded, Warming World. *The Ecological Citizen* 1(2): 171-178. <http://www.ecologicalcitizen.net/pdfs/v01n2-10.pdf>

Lautensach, A.K. & S.W. Lautensach. 2015. Prepare to be Offended Everywhere: How Cultural Safety In Public Places Can Prevent Violent Attacks. *International Journal of Sustainable Future for Human Security (J-Sustain)* 3 (1): 56-62.
http://www.j-sustain.com/files/pub/file/Vol%202015/Vol%203%20No%201/J-Sustain_Vol3_No1_56-62_SS-019-01152.pdf

Lautensach, A.K. 2015. Sustainable Health For All? The Tension Between Human Security and the Right to Health Care. *Journal of Human Security* 11(1): 5-18.
<http://www.librelloph.com/journalofhumansecurity/article/view/johs-11.1.5>

Lautensach, A.K. 2013. Shaping the Hidden Curriculum in Education: A Strategy Towards Sustainability. *Journal of Teaching & Education* 2 (4): 119-129. <https://unbc.academia.edu/AlexLautensach>

Lautensach, A.K. & S.W. Lautensach. 2013. Why 'Sustainable Development' is Often Neither: A Constructive Critique. *Challenges in Sustainability* 1(1): 3-15.
<https://doi.org/10.12924/cis2013.01010003>
<http://librelloph.com/challengesinsustainability/article/view/cis-1.1.3>

Harrison, E., Lautensach, A.K., & V.L. McDonald. 2013. Moving from the Margins: Promoting Cultural Safety in Teacher Education. *McGill Journal of Education* 47(3): 323-343.
<http://mje.mcgill.ca/article/view/8846>

Lautensach, A.K. & S.W. Lautensach. 2012. When should we care about sustainability? Applying human security as the decisive criterion. *Sustainability*. Special Issue "Advances in Sustainability: Selected Papers from 1st World Sustainability Forum" vol.4 (5): 1059-1073. Republished in *The Pantaneto Forum* 2014. <https://doi.org/10.3390/su4051059>

Lautensach, A.K. & S.W. Lautensach. 2011. Prepare to be Offended: Cultural Safety Inside and Outside the Classroom. *International Journal of Arts & Science* vol.4 (25): 183-194.
<https://unbc.academia.edu/AlexLautensach>

- Lautensach, A.K. & S.W. Lautensach. 2011. Human Insecurity Through Economic Development: Educational Strategies to Destabilise the Dominant Paradigm. *International Journal on Environmental, Cultural, Economic and Social Sustainability* vol. 7: 347-360.
<https://doi.org/10.18848/1832-2077/cgp/v07i02/54899>
- Lautensach, S.W. & A.K. Lautensach. 2010. Prioritising the Variables Affecting Human Security in South-East Asia. *Austrian Journal of South-East Asian Studies*. Vol. 3 (2): 194-210.
<http://www.seas.at/wp-content/plugins/download-monitor/download.php?id=40>
- Lautensach, S.W. & A.K. Lautensach. 2010. Ethics for a Sustainable Island. *International Journal of Arts & Sciences* vol. 3 (15): 105-114.
- Lautensach, A.K. & S.W. Lautensach. 2010. Teaching for Sustainability: Curriculum Reform in the Age of Environmental Injustice. *International Journal of Arts & Sciences* vol. 3 (14): 195-214.
<https://unbc.academia.edu/AlexLautensach>
- Lautensach, A.K. & S.W. Lautensach. 2010. Education for Sustainability: Meeting the Challenge by Introducing Human Security into the Curriculum. *International Journal on Environmental, Cultural, Economic and Social Sustainability* vol. 6 (2): 69-82.
<https://doi.org/10.18848/1832-2077/cgp/v06i02/54751>
- Lautensach, A.K. 2009. Teaching Values Through the Ecological Footprint. *Green Theory and Praxis: Journal of Ecopedagogy* vol. 5(1): 153-168. <https://unbc.academia.edu/AlexLautensach>
- Lautensach, A.K. 2009. The Ethical Basis for Sustainable Human Security: A Place for Anthropocentrism? *Journal of Bioethical Inquiry* vol. 6 (4): 437-455.
<https://unbc.academia.edu/AlexLautensach>
- Lautensach, A.K. & S.W. Lautensach. 2006. Human Security in India. *Indian Journal of Politics and International Relations (IJP AIR)* Vol.1 (Jan-June).<http://ijpairmguniversity.blogspot.com/index.html>
- Lautensach, A.K. 2006. Expanding Human Security. *Australasian Journal of Human Security* 2 (3): 5-14.
<https://unbc.academia.edu/AlexLautensach>
- Lautensach, A.K. 2006. Moral Concern for the Objects of Scientific Research. *International J. of the Humanities* 3 (6): 1447-1456.
- Lautensach, A.K. 2005. The Values of Ecologists. *Environmental Values* 14(2): 241-250.
- Lautensach, A.K. & S.W. Lautensach. 2005. Global Progress: What Does It Mean? *Globalizations* (n.f.i.)
- Lautensach, A.K. 1997. An Inclusive Environmental Ethic Based on the Gaia Theory. *Environmental Perspectives* 17: 10-11.
- Lautensach, A., Josephy, P.D., Clegg, B.S., & Subden, R.E. 1991. Ethyl Carbamate Precursors in Refluxed Wines and Model Solutions. *Can. J. Food Sci. Toxicol.*
- Lautensach, A, & Subden, RE. 1987. Isolation and Characterization of *Leuconostoc oenos* mutants with defective malo-lactic enzyme. *Microbios* 52: 115-127
- Lautensach, A, & Subden, RE. 1984. Cloning of malic acid assimilating activity from *Leuconostoc oenos* in *E. coli*. *Microbios* 39: 29-39
- Subden, RE, Irwin, D, Lautensach, A, & Cunningham, JD. 1983. Genetic heterogeneity in *Lactobacilli* and *Leuconostocs* of enological significance. *Can. J. Food Sci. Technol.* 16: 79-83.

Subden, RE, Lin, WL, Lautensach, A, & Meiering, AG. 1982. An L-lactic acid dehydrogenase based method for detecting microbial colonies performing a malo-lactic fermentation. *Can. J. Microbiol.* 28: 883-886

(b) *Conference Proceedings*

Lautensach, A.K. 2019. Buendelung: Bildung zur Nachhaltigkeit. Summary Keynote at a Symposium entitled *Global Teaching, Postcolonial Teaching* at the University of Jena, Germany, 2 July 2019. Proceedings are forthcoming in 2020 (Beltz Juventa Publ.).

Lautensach, A.K. & S.W. Lautensach. 2019. Sustainable Development Goals and World Peace: Exclusive or Compatible? Invited special presentation for the Annual Conference of the Canadian Peace Research Association (CPRA), 5-7 June 2019, University Of British Columbia, Vancouver, B.C., Canada

Lautensach, A.K. & S.W. Lautensach. 2020. Addressing Overpopulation Across Generations: The Issue of Grandchildren. Virtual video presentation for the 16th International Conference on (environmental, cultural, economic & social) Sustainability 29-31 January 2020 Santiago, Chile. 2020 Theme: "Sustainability Challenges in the Global South."
https://cgscholar.com/cg_event/events/S20/proposal/38087 (accepted)

Lautensach, A.K. 2018. Educating as if Sustainability Mattered. 11th International Conference of Education, Research & Innovation (ICERI), 12-14 November 2018, Seville, Spain. Proceedings ISBN 978-84-09-05948-5 doi 10.21125/iceri.2018.0352. pp.7556-7568.
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Lautensach, A.K. & S.W. Lautensach. 2018. The Great Transition to Vegetarianism as an Ethical Imperative: Five Arguments. Virtual video presentation for the 14th International Conference on (environmental, cultural, economic & social) Sustainability 17-19 January 2018 Cairns, AUS. 2018 Theme: "Forging Solidarity: Collective Sustainability Solutions in a Fragmenting World."
http://cgpublisher.com/conferences/412/proposals/116/index_html (Summary)
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Lautensach, A.K. & S.W. Lautensach. Learning Sustainable Cultural Safety in a Crowded, Warming World. International Conference on Education. 4-7 June 2017. Stockholm, Sweden.
<https://www.cluteinstitute.com/conference-proceedings/sh17proceedings.pdf>

Lautensach, A.K. 2015. Mobilising Curriculum Towards Human Security: The Importance Of Biology. EDULEARN15: 7th International Conference on Education and New Learning Technologies. 6-8 July 2015, Barcelona, Spain. (virtual paper)
http://iased.org/concrete3/view_abstract.php?paper_id=43290

Lautensach, A.K. & S.W. Lautensach. 2015. Sustainable Global Human Security and Distributive Justice in the 21st Century. Panel workshop for the ACUNS Conference (Academic Council on the United Nations System), The Hague, 11-13 June 2015.

Lautensach A.K. & S.W. Lautensach. Prepare to be Offended Everywhere: Cultural Safety In Public Places. Second International Conference on Human Security: Twenty Years of Human Security. Human Security Research Center – Faculty of Security Studies, University of Belgrade, 7-8 November 2014.

- Lautensach, A.K. & S.W. Lautensach. Education for Sustainability: How Can Educators Address the Failure of Government? The 4th World Sustainability Forum, 1-30 November 2014.
<https://doi.org/10.3390/wsf-4-h001> <http://sciforum.net/conference/wsf-4/paper/2450>
- Lautensach, A.K. Curriculum Innovation for Sustainable Arctic Communities. International Congress of Arctic Social Sciences (ICASS) VIII Conference, 22-26 May 2014, Prince George, B.C. Canada. Abstract in proceedings.
- Lautensach, A.K. & S.W. Lautensach. Assessing the Top Performers: Mindful Conservatism and 'Sustainable Development'. The 3rd World Sustainability Forum, 1-30 November 2013, f004;
<https://doi.org/10.3390/wsf3-f004> <https://sciforum.net/conference/wsf3/paper/2281>
- Lautensach, A.K. Shaping the Hidden Curriculum in Education: A Strategy Towards Sustainability. Conference of the *International Journal of Arts & Sciences*, Munich, 23-26 June. Summary in proceedings. Also accepted for 10th annual conference of the European Science Education Research Association (ESERA), Nicosia, Cyprus, 2-7 September 2013.
- Lautensach, A.K. Learning from the Decade of Education for Sustainable Development. Proceedings of the 12th Global Conference on Environmental Justice and Global Citizenship, Oxford University, Mansfield College, 10-12 July 2013.
- Lautensach, A.K. & S.W. Lautensach. Why 'Sustainable Development' is Often Neither: A Constructive Critique. 2nd World Sustainability Forum, 1-30 November 2012; Sciforum Electronic Conferences Series, 2012.
- Lautensach, A.K. Teacher Education Towards Sustainability: Strategies in Elementary Science. Proceedings, New Perspectives in Science Education conference, Florence, 8-9 March 2012.
- Lautensach, A.K. Educating for Sustainability: Curriculum Reform in the Age of Environmental Crisis. 1st World Sustainability Forum, 1-30 November 2011; Sciforum Electronic Conferences Series, 2011.
- Lautensach, A.K. & S.W. Lautensach. When Should We Care about Sustainability? Applying Human Security as the Decisive Criterion. Proceedings of the 1st World Sustainability Forum, 1-30 November 2011; Sciforum Electronic Conferences Series, 2011. **Voted among the ten best papers of this conference.**
- Lautensach, A. & S. Lautensach. Outgrowing Anthropocentrism: New Directions for Healthcare Ethics in an Ecologically Unstable World. Annual GEIG (Global Ecological Integrity Group) Conference, 11-16 July 2011, Charles University, Prague, Czech Republic.
- Lautensach, A. & S. Lautensach. Prepare to be Offended: Cultural Safety Inside and Outside the Classroom. Conference of the International Journal of Arts & Science, 21-24 June 2011, Anglo-American University, Prague, Czech Republic. Also accepted for the Annual Conference for the Humanities, 8-11 June 2011, University of Granada, Spain.
- Lautensach, A. & S. Lautensach. Human Insecurity Through Economic Development: Questioning the Paradigm. Virtual presentation at the 7th Annual Conference on Environmental, Cultural, Economic and Social Sustainability, 5-7 January 2011, University of Waikato, Hamilton, New Zealand.
- Lautensach, A. & S. Lautensach. Ethics for a sustainable island. Accepted for the International Conference on Island Sustainability, April 2010, Brač, Croatia. Also accepted and presented at the Conference of the International Journal of Arts & Science, 30 May – 3 June 2010, Bad Hofgastein, Austria.

Lautensach, A. & S. Lautensach. Teaching for Sustainability: Curriculum Reform in the Age of Environmental Injustice. Conference of the International Journal of Arts & Science, 30 May – 3 June 2010, Bad Hofgastein, Austria.

Lautensach, A. & S. Lautensach. Education for Sustainability: Meeting the Challenge by Introducing Human Security into the Curriculum. Virtual presentation for the 6th Annual Conference on Environmental, Cultural, Economic and Social Sustainability, 5-7 January 2010, University of Cuenca, Ecuador.

Lautensach, A. Teaching values through the ecological footprint. APA Pacific Division Conference (International Society for Environmental Ethics), Vancouver, April 8-11, 2009.

Lautensach, A. The ethical basis for sustainable human security: A place for anthropocentrism? Ecological Integrity and Sustainable Society Conference, Dalhousie University, Halifax, Nova Scotia, 24-29 June 2007

Lautensach, A. Which environmental ethic can inform sustainable living? Presented at the 6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community, University of Bonn 9-13 October 2005.

Lautensach, S.W. & A. Lautensach. Multicultural Humanitarianism: NZ's Refugee Challenge. Presented at the 1st Global International Studies Conf. (WISC), Bilgi Univ. Istanbul 24-27 August 2005.

Lautensach, S.W. & A. Lautensach. The Challenge of the New Humanitarianism for Human Security. Presented at the International Conference on Sources of Insecurity, Sarajevo 16-19 August 2005. Published by RMIT University, Melbourne, Australia

Lautensach, A. Moral Concern for the Objects of Scientific Research. Presented at the 3rd Int. Conference on New Directions in the Humanities, Homerton College, Univ. of Cambridge 2-5 August 2005.

Lautensach, A. Agenda for curriculum reform towards sustainability. Lautensach, S.W. & A. Lautensach. "Pursuing Environmental Justice from a Human Security Perspective". Both presented at the 4th Global Conference on Environmental Justice and Global Citizenship, Mansfield College, Oxford University 5-7 July 2005.

Lautensach, A. A tertiary curriculum for sustainability. Presented at the annual conference of the Australian Association for Research in Education, 30 Nov 2004, The University of Melbourne.

Lautensach, A. The Values of Ecologists. Presented at the Annual Conference of the NZ Ecological Society, University of Auckland, 20 November 2003.

Lautensach, A 1997. Justice in Gaian Ethics. In *Proceedings of the Conference for Environmental Justice*, University of Melbourne, October 1997.

(c) *Book Chapters*

Lautensach, A.K. & S.W. Lautensach. 2017. Conflict Resolution. In *State Power, Liberties & Rights: A Companion*. Morley, S., J. Turner, K. Corteen & P. Taylor (eds.). Bristol, UK: Policy Press, pp.35-37.

Lautensach, S.W. & A.K. Lautensach. 2017. Food Security. In *State Power, Liberties & Rights: A Companion*. Morley, S., J. Turner, K. Corteen & P. Taylor (eds.). Bristol, UK: Policy Press, pp. 95-97.

- Lautensach, A. 2016. Values. In *Culture and Human Rights: The Wroclaw Commentaries*. Wiesand, A.J., K. Chainoglou, A. Sledzinska-Simon with Y. Donders (eds.). Berlin / Cologne: de Gryter / ARCult Media, pp. 284-286. <https://doi.org/10.1515/9783110432251-133>
- Lautensach, A. & S. Lautensach. 2014. Human Insecurity Through Economic Development: Educational Strategies to Destabilise the Dominant Paradigm. In *Transitions to Sustainability: Theoretical Debates for a Changing Planet*. Humphreys D. & S. Stober (eds.) Champaign, IL: Common Ground. Ch.20 pp. 316-333.
- Lautensach, A.K. & S.W. Lautensach. 2014. Learning from the Decade of Education for Sustainable Development. In *Power, Justice and Citizenship: The Relationships of Power*. Darian McBain (ed.). Witney, UK: Inter-Disciplinary Press.
- Lautensach, S.W. & A.K. Lautensach. 2014. Rethinking Sustainable Development Under the Imperatives of Human Security: Global Context and South Asian Solutions. In *South Asia in a Global Context*. Vinodan, C. (ed.). New Delhi: New Century Publishers. Pp. 1-30. ISBN 978-81-7708-347-7.
- Lautensach, S. & A. Lautensach. 2013. Environmental Security: International, National and Human. In *Routledge Handbook of Global Environmental Politics*, P.G. Harris (ed.). New York: Routledge. Pp. 246-258. <https://doi.org/10.4324/9780203799055.ch19>
- Spady, D. & Lautensach, A. 2013. Why Human Security needs our Attention. Chapter 2 in *Human Security in World Affairs: Problems and Opportunities*. Lautensach, A. & S. Lautensach (eds.) Vienna, Austria: Caesarpress. Pp. 17-34.
- Lautensach, S. & A. Lautensach. 2013. Addressing Human Rights Violations. Chapter 14 in *Human Security in World Affairs: Problems and Opportunities*. Lautensach, A. & S. Lautensach (eds.) Vienna, Austria: Caesarpress. Pp. 285-300.
- Lautensach, A.K. & S.W. Lautensach. 2013. Summary and Conclusions. Chapter 20 in *Human Security in World Affairs: Problems and Opportunities*. Lautensach, A. & S. Lautensach (eds.) Vienna, Austria: Caesarpress. Pp. 411-448.
- Lautensach, A. & S. Lautensach. 2013. Preface and Introduction. In *Human Security in World Affairs: Problems and Opportunities*. Lautensach, A. & S. Lautensach (eds.) Vienna, Austria: Caesarpress. Pp. xiii-xxxviii.
- Lautensach, S. & A. Lautensach. 2011. Irreconcilable Differences: The Tension between Human Security and Human Rights. In L. Westra (ed.) *Globalisation and Ecological Integrity in Science and International Law*. Sense Publishers. <https://doi.org/10.5848/csp.2833.00015>
- Lautensach, A. 2011. Ecopedagogy and Ecodidactics; Ethical Sustainability and Development; Millennium Development Goals; three entries for *Green Ethics & Philosophy*, Sage eReference Green Series, P. Robbins (ed.). <https://doi.org/10.4135/9781412974608.n35>
- Lautensach, A. & S. W. Lautensach. A Curriculum for a Secure Future: Agenda for Reform. 2010. In Suoranta, Juha, Houston, Donna, Martin, Gregory & Peter McLaren (Eds.). *The Havoc of Capitalism: Educating for Environmental and Social Justice*. Rotterdam: Sense Publishers, pp.207-227.
- Lautensach, S.W. & A. Lautensach. Human Security in Turkey. 2008. In *International Security and the United States: An Encyclopedia* [Two Volumes] Karl DeRouen, Jr & Paul Bellamy (eds.). London: Greenwood Publ.

Lautensach, A. (Lead Author); David Hassenzahl (Topic Editor). 2007. Human security: a comprehensive perspective. In: *Encyclopedia of Earth*. Ed. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Retrieved 16/4, 2007]. http://www.eoearth.org/article/Human_security:_a_comprehensive_perspective

Lautensach, S. W. and A.. Lautensach. 2007. Pursuing Environmental Justice from a Human Security Perspective. In *Environmental Justice and Global Citizenship*, Peggy Lobb (ed.). Oxford, UK: Inter-Disciplinary Press.

Lautensach, A. 2006. Environmental Ethics and the Gaia Theory. In: *Encyclopedia of Earth*. Eds. Sahotra Sarkar & Linda Kalof. (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [Retrieved 11/11, 2006]. http://www.eoearth.org/article/Environmental_ethics_and_the_Gaia_theory

(d) *Other: Dissertations*

Lautensach, A. 2003. Environmental Ethics for the Future. PhD thesis. University of Otago, Dunedin, New Zealand.

Lautensach, A. 1992. Curriculum Planning for an Undergraduate Laboratory Course in Molecular Biology. M.Sc.T. project, Dept. of Biology, McMaster University, Hamilton, Canada.

Lautensach, A. 1986. L-malate utilizing activity and its genetic basis in some lactic acid bacteria. M.Sc. thesis, Dept. of Molec. Biol. and Genetics, University of Guelph, Canada.

Lautensach, A. 1979. Untersuchungen zum Konkurrenzverhalten plasmidtragender Enterobacteriaceen-Isolate und des Wildtyps. Diplomarbeit, Ludwig-Maximilian Universitaet Muenchen, Germany.

2. **NON-REFEREED PUBLICATIONS** (most recent first)

(a) *Journals*

Lautensach, A.K. 2020. Educating Teachers as if Sustainability Mattered. *International Portal of Teacher Education*. The MOFET Institute. <http://education.eng.macam.ac.il/article/5031>

Lautensach, A.K. 2017. An Effective Education for the Future: The future current graduates face will be more different than any future was for past generations. How they will adapt is up to education systems. *Policy Options* (November 27)
<http://policyoptions.irpp.org/magazines/november-2017/an-effective-education-for-the-future/>

Lautensach, S.W. & A.K. Lautensach. 2005. The price of economic growth for Island Pacific. *Just Change* 1 (1): 14. Wellington NZ: Dev-zone.

Lautensach, A.K. & Lautensach, S.W. 2004. The Challenge of Global Sustainability. *New Thinking* 2(1) (Winter/Spring)

Lautensach, A. 1995. Genetic Manipulation - A New Problem for Ethicists? *Otago Bioethics Report*, May

(b) *Conference Proceedings*

Harrison, E., Lautensach, A. & V.L. McDonald. Reflections on Teaching in Motion: Visioning. Workshop given at the Annual CTLT Conference on Teaching & Learning, UNBC Prince George, 30-31 August 2012.

Lautensach, S. & A. Lautensach. Coping With Suicide Terrorism: A Taxonomy of the Preventive Approach. Accepted and sponsored for the NATO Conference on Terrorism, Astana, Kazakhstan, 23-26 September 2010.

Harrison, E., Lautensach, A. & V.L. McDonald. Cultural Safety in Strategies for Teaching in the Digital Age. Workshop given at the Annual CTLT Conference on Teaching & Learning, UNBC Prince George, 1-2 September 2010.

Lautensach, A. & S. Lautensach. Irreconcilable Differences? The Tension between Human Security and Human Rights. Annual GEIG (Global Ecological Integrity Group) Conference, 28 June – 3 July 2010, University of British Columbia, Vancouver, BC.

Lautensach, A. Reclaiming Progress: A Curriculum for Sustainable Ethics. Accepted for the XIV World Congress of Education Societies, 14-18 June 2010, Bogazici University, Istanbul.

Lautensach, A., Harrison, E. & V. McDonald. Cultural Safety in Higher Education: Implications for University Teaching. UNBC Teaching & Learning Conference September 2009, Prince George, B.C.

Lautensach, A., Harrison, E. & V. McDonald. Moving from the Margins: Teacher Education in the Remote Northwest of B.C. Annual NWATE Conference, Seattle, March 5-7, 2009.

Lautensach, A. & S. Lautensach. Education, Progress and the Global Environmental Crisis: Rethinking Curriculum in Terms of Human Security. Annual NWATE Conference, Seattle March 5-7, 2009.

Lautensach, A. Progress and the Global Environmental Crisis: Rethinking Education in Terms of Human Security. Accepted for the conference entitled *The Conception of Human Security in Canadian Foreign and Domestic Policy*. Volgograd, Russian Federation, 14-16 May 2009.

Lautensach, A. Green enough ethics? In *Green governance: From periphery to power*. Kerr, S. Bührs, T. & C. Dann (eds). Proceedings of the 13th conference of the Ecopolitics Association of Australasia at Canterbury University, Christchurch NZ, 30 November 2001. Lincoln University, 2002. pp.109-114.

Lautensach, A. A Value Paedagogy for Sustainability. Workshop given at the QPEC Values in Education Conference at Massey University, Palmerston North, NZ, 23 July 2000.

Lautensach, A. 1998. Gaia - Based Environmental Ethics in Policy Decisions. In *Proceedings of the Ecopolitics X Conference 27 September 1996*, Australian National University, Canberra, Australia. pp. 453-457

Lautensach, A. An Ethic Based on Sustainability. Zymurgix: Presentation at the Fourth New Zealand National Postgraduate Conference, University of Otago November 1997.

Lautensach, A & Egan, T. 1996. Assessment in Ethics Teaching. Workshop given at the Bioethics Summer Seminar, Knox College, Dunedin, February 1996.

Lautensach, A, Nicholas, B & Ramsden, I. 1996. Curriculum Design: Practice and Politics. Workshop given at the Bioethics Summer Seminar, Knox College, Dunedin, February 1996.

Lautensach, A, & Newton, T. 1993. The Power of the Analogy in Science Teaching. Workshop given at the 13th Annual Conference on Teaching and Learning in Higher Education, Univ. of Manitoba. Summary in Proceedings

Humphreys, D, Lautensach, A, & Brown, D. 1988. Using Demonstrations to Promote Thinking in a Science Class. Presented at the 8th Annual Conference on Teaching and Learning in Higher Education, McMaster Univ.

Lautensach, A, Clegg, S, Josephy, PD, & Subden, RE. 1988. Ethyl Carbamate Synthesis in Wines. Presented at the Annual Meeting of the Canadian Society of Oenology and Viticulture, Niagara-on-the-Lake, Ont.

Subden, RE, & Lautensach, A. 1982. Deacidification of high acid musts. Ontario Grape and Wine Research Annual Meeting, Vineland Station. Abstract in proceedings.

(c) *Other: Public Lectures, Media Commentaries and Book Reviews*

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3. **BOOKS** (list most recent first)

(a) *Authored*

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4. **PATENTS** (list most recent first) n/a

5. **SPECIAL COPYRIGHTS** (list most recent first)

Creative Commons license on *Human Security in World Affairs*, 2nd ed.

6. **ARTISTIC WORKS, PERFORMANCES, DESIGNS** (list most recent first) n/a

7. **OTHER WORKS** (list most recent first) n/a

8. **WORK SUBMITTED (including publisher and date of submission)** (list most recent first))

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9. **WORK IN PROGRESS (including degree of completion)**

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Field studies on the praxis of education for sustainability at ecological and intentional communities. (Canada and Germany) (initial data gathering stage)

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Grant applications under discussion: Comparative capacities of education systems to provide cultural safety for minority students; Cultural Safety of Environmental Refugees;

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