## Index

Abject poverty, 7	global meat production and
Absolute poverty, 8	consumption statistics,
Acceptance, 190	120–124
Actor network theory (ANT), 186	planetism, 132–135
Aesthetic rationality, 200	vegetarianism vs. veganism, 134
critical thinking as art constituted	Anthropocene, 41
by, 206–207	Anthropocentric perspectives, 72
Aesthetic value, 161	Anthropocentric philosophy, 72
Aesthetics, 58, 200, 207, 209	Anthropocentricism, 70–71
Ageism, 101	Anthropocentrism, 66, 72–73, 154
Animal ethics, 120	Anthropomorphism, 72–73
de-animalization via job	avoidance of, 73
compartmentalization,	as justification for animal farming,
131–132	73–74
factory farming, 124–125	Anti-objective, 94
global meat production and	Anti-oppression, 93
consumption statistics,	Aristotelian virtue theory, 74
120–124	Art, 207–209
planetism, 132–135	and science of critical thinking,
Animal farming, anthropomorphism	199, 202, 205
as justification for,	Artificial intelligence (AI), 172
73–74	Asphyxia, 130
Animal rights, 120	Asteroids, 161
de-animalization via job	Astronaut health hazards, 165-166
compartmentalization,	
131–132	Battery cages, 130
factory farming, 124–125	Belief systems, 98
global meat production and	Biocentrism, 161
consumption statistics,	Bioethics, 150
120–124	Biological essentialism, 107–108
planetism, 132–135	Biopolitics, 135–140
Animal spirits, 20	Bleeding without stunning, 131
Animal welfare, 120, 139	Body-based argument,
book of genesis and, 126-131	102–103
characterizing, 141-143	Bottom-of-the-pyramid citizens, 2
de-animalization via job	Bovine spongiform encephalopathy
compartmentalization,	(BSE), 121–122
131–132	Buddhist ethic, 110-111, 115
factory farming, 124–125	Business ethics, 150

199

Businesses, 89 as art constituted by aesthetic rationality, 206-207 Capitalism, 11-12, 178 and corporate spiritual capital, Carbon dioxide narcosis, 130-131 196 Carbon neutrality, 49-50 higher order thinking, 209–217 Caring, 105-106 as mindfulness, 216 Carnophallogocentrism, 135-140 social welfare, social well-being, and Catalytic social entrepreneurs, 7 social progress, 191 Celestial bodies, 152 Critically examining ecofeminist Chilling, 130 assumptions, 102–106 Chipko in Himalayan India, 92 Classical instrumental rationality De-animalization, 131–132 approach, 200 Deep ecologists, 77 Deep ecology, 156 Classism, 101 Cognitive theorists, 34 to support natural sustainability, Collective responsibility, 195–198 76 - 78Commercial anthropocentric view, Democratic space ethics, 162–164 Deontological ethics, 75 99 Committee on Space Research Deontological rights approach, (COSPAR), 153 Communist models, 7 Deontology, 155 Conference of parties (COP), 48 Descriptive ethics, 154 Consequentialism/utilitarianism, 155 Design thinking, 207 Corporate aesthetic rationality, Deterministic psychology theorists, 200-206 34 Corporate capitalism, 97, 100, 110 Development, 61 Corporate ethics, 13 Developmental partnership, 42 Corporate social responsibility (CSR), Dissociation, 93 Distributive justice, 171–172 Corporate spiritual capital, 196 Doha Amendment, 49 Domestic jurisprudence, 166–167 Corrective justice, 171–172 Cosmic egalitarianism, 42 Domination, 93 Cosmic ethics, 150 Cosmic space ethics, 168, 170 Ecocentric holism, 156 Ecocentric sustainability, 64-65 Cosmic sustainability, 153, 190 ecozoic worldview of, 58 Ecocentrism, 64-65, 94 Cosmological anthropology, 178 Ecofeminism, 90 Costs of pollution, 111 corporate capitalism, 97–100 "Cradle to grave" paradigm, 63-64 critically examining ecofeminist Critical Animal Studies (CAS), assumptions, 102-106 ecofeminist concerns, 97-100 134–135 and environmentalism, 100-102 Critical thinking (see also Ecozoic critical thinking), 120, 128, free market capitalism, 97–100 150, 190, 211, 214 gender equality, 115-116 art and science of critical thinking, and gender mainstreaming, 114

historical origins, 91–92

rejection of questionable dualisms	ecozoic concept of nature as
of nature, 95–97	community, 81–85
Ecofeminist concerns, 97–100	ecozoic sustainability, 65-66
Ecofeminist ecocentric capitalism as	ecozoic sustainability as disciplined
genuine progress indicator,	use of Nature, 76
110–111	embedded sustainability, 63-64
Ecofeminist Ecological Spiritualities,	epistemology, 50-51
107	growth vs. development, 61
Ecofeminist ethic and philosophy,	major developments on
92–95	sustainability, 66–71
Ecofeminist free market capitalism,	managerial implications, 85-86
110	Nature of Nature, 78–79
Ecofeminist GPI, 111–115	sustainable development, 62
Ecofeminist philosophical movement,	technozoic sustainability, 64
91	teleology, 51–57
Ecofeminist posthumanism,	theory of systems, complexity,
106–110	chaos, and emergent
Ecological collapse, 59–60	consciousness, 81
Ecological costs, 111	UN-supported global sustainability
Ecological Feminist Philosophies	summits and resolutions,
(1996), 91, 107	52–57
Ecological self, 77	Warmer Metaphysics, 74–75
Ecological sustainability, 38, 63	Ecozoic era, 58–59
Ecologizing values, 210	Ecozoic sustainability, 40, 65-66
Ecology, 73, 101	as disciplined use of Nature, 76
Economic progress, 50–51	Egocentric movement, 77
Economism, 133	Electrical stunning, 131
Economizing values, 210	Embedded sustainability, 63-64
Ecozoic critical thinking	Environmental conservation, 77
anthropocentric vs.	Environmental ethics, 50–51, 57,
nonanthropocentric	150
perspectives, 72	Environmental scientists, 178–179
anthropocentrism and	Environmental virtue ethics, 51, 57,
anthropomorphism, 72–73	208–209
anthropomorphism as justification	Environmentalism, 100-102
for animal farming, 73–74	Epistemology, 50-51
deep ecology to support natural	Equivocality, 194–195
sustainability, 76–78	Eradication, 7
developments on sustainability at	Essence, 108
UN, 49–50	Ethics, 13
ecocentric sustainability, 64-65	of animal slaughterhouses and
ecological collapse, 59-60	critical thinking, 128
ecological sustainability, 63	European Space Agency (ESA), 151
ecologizing and economizing values,	European Union (EU), 10
57–59	External stimuli, 16

Factory farming, 90, 120, 124–125	Hierarchy theory, 102
economics, 125–126	High spiritual capital, companies with
ethical concerns on factory farming	198–200
of animals for food, 123	Higher order thinking, 209-217
Feeling pain, 143–144	Historical origins, 91–92
Feminism, 101	Holistic corporate social wellbeing,
Feminist business ethic, 94	221
Feminist environmentalism, 116	Holistic fascism, 94
Firms, 194–195	Holocene epoch, 41
Food, Inc. (2008), 90	Homo sapiens, 154
Food and Agriculture Organization of	Homo Sapiens Foundation,
the United Nations (FAO),	170
121	Horsegate, 121–122
Foreign direct investments (FDI), 7	Housework, 111
Forests, 109	Human dignity, 1–2
Fractured ontology, 48	ecological sustainability,
Fragmented ethical epistemology,	38
48	global social justice for eradication
Free economy, 109	of global poverty,
Free enterprise system,	10–11
190–191	"nation state" theory of poverty,
Free market capitalism, 97–100	3–4
Tree market capitansm, 57 100	philosophy, 12
Game Changers (2018), 90	poverty and income inequality,
Gender equality, 115–116	2–3
Gender mainstreaming,	psychological investigations into
114	human identity and
Genuine Progress Indicator (GPI),	potentiality, 33–39
110–111	reconciled with global poverty,
Global poverty, 2, 10	42
Global resources dividend (GRD),	rights and duties of moral
3	responsibility, 42–44
Global social justice for eradication of	root causes of poverty, 5
global poverty, 10–11	as sacred wilderness,
Global sustainability, doctrine and	40–42
urgency of, 48	social welfare and social progress,
Goods, 14–15	8–9
Great Divide, The, 11–12	Human duties toward animals,
Green Belt in Kenya, 92	132
Greenhouse gases (GHGs),	Human executive personhood, value
49	and function of, 15–18
Gross domestic product (GDP), 9, 111,	Human personhood, 13–14,
121	18–19
Growth, 61	ecozoically as ecological
·· <b>***</b> , ••	sustainability, 39-40
Heidegger's essentialism, 107–108	as living composite, 28–32

Humanistic person centered	Mala bias 100
Humanistic person-centered psychology, 34	Male bias, 109 Mars Society, The, 170
Humanistic projective psychology, 34	Master model, 96–97
Humanity, 73	
Hypatia, 91	Meat consumption, 122–123, 135, 140 Metaethics, 150, 154
нурана, 91	
Ulacitima av. 104 105	Millennial developmental goals
Illegitimacy, 194–195	(MDGs), 48, 151
Immanence, 19–22	Mindfulness, 216–218
Impossibility theorem, 73	Modern management theory, 48
Inclusiveness, 93	Moral and economic rationalization,
Income inequality, 2–3	163
Income redistribution, 111	Moral responsibility, rights and duties
Individuality, 22–24	of, 43–44
Inequality, 11–12	Moral standards, 207–208
Institutionalized violence, 126	Moral standing, 150
Instrumental rationality, 191, 201	Moral status general challenges in
Intensive farming, 120–121	OSA research and
Internal stimuli, 16	explorations, 154–155
International jurisprudence, 166–167	Moral theories, 155–156
International rule of law, 166–171	Moral values, 201, 207
International space station (ISS),	Morality, 50–51
150	
International-transnational-cosmic	Nanotechnology, biotechnology,
space law and structures,	information technology, and
166	cognitive science (NBIC),
international rule of law and idea of	177
normative authority,	"Nation state" theory of poverty,
166–171	3–4
Intersubjective communication,	National Aeronautics and Space
200–201	Administration (NASA),
Intrinsic value, 41	164
	mission and goals, 151-153
Job compartmentalization, 131–132	Nationally determined contributions
Justification, 71	(NDCs), 49
	Natural sustainability, 71, 151
Kyoto Protocol of 1997, 49	deep ecology to support,
•	76–78
Land ethic, 66, 209	to support OSA developmental
Legitimacy, 194–195	goals, 178–179
Livestock sector, 122	synthesizing basic principles of
Love, 190	complexity, deep ecology,
Love Canal in New York State, 92	and ecozoics, 82–84
Low earth orbit satellites (LEO	Nature, 1–2, 151
satellites), 160	ecozoic concept of nature as
Lunar "Gateway" space station, 151	community, 81–85
	,,

ecozoic sustainability as disciplined	general ethical concerns regarding
use of, 76	OSA research and
eschatological sustainability, 184	explorations, 157–159
noumenological sustainability, 184	moral status general challenges in
phenomenological sustainability,	OSA research and
183	explorations, 154–155
rejection of questionable dualisms,	natural sustainability to support
95–97	OSA developmental goals,
as sacred wilderness, 85	178–180
teleological sustainability, 183	planned adventures of OSA
Nature of Nature, 78–79	movement, 172–177
in ecozoic ecology, 79–80	sustainability development and
Nature sustainability goals (NSGs),	ethical concerns, 171–172
184	transhumanist aspirations, 177–178
Naturism, 101	Outer space ethics and sub-theories,
Neglected values, 93–94	156–157
"No child left behind" policies,	Outer space explorations, domain and
48	ethical challenges of, 151
Nonanthropocentric perspectives,	Outer space mining, 173–176
72	Oyster farms, 144
Nonanthropocentricism, 74	D : C1:
Nonanthropocentrism, 66	Paris Climate Agreement, 49
Nongovernmental organizations	Patriarchy, 101, 104, 108
(NGOs), 3, 7, 114, 159	Phenomenological natural
Nongovernmental OSA sponsors and	sustainability, 179–180
collaborators, goals of,	Philosophical critics, 178–179
151–153	Philosophical environmental ethics,
Nonmarket transactions, 111	10.
Noosphere, 58 Nordic model of welfare state, 7	Philosophy, goals, and objectives,
Normative authority, 166–171	Physical anthropomorphism, 72–73
Normative ethics, 154	Physical compartmentalization,
Normative etines, 134	131–132
Objectification, 93	Planetism, 132–135
Opel-RAK, 163	Pluralism, 94
Oppression argument, 102–103	Posthumanism, 106–107
Organization for Economic	Poverty, 2–3
Co-operation and	root causes, 5
Development (OECD), 2–3	Principle of equality, 140
Organizational theory, 206	Pro-environment actions, 208
Outer space advances (OSA),	Production, distribution, and
150	consumption (PDC), 38
ethical concerns regarding OSA	consumption (1 DC), 36
research and activities,	Racism, 101
160–161	Radiation, 165
ethical issues, 173–176	Rationality, 191, 200–201
Cilical 155acs, 175 170	1341011411ty, 171, 200 201

Reform, 10	international-transnational-cosmic
Reintegration, 48	space law and structures,
Relational sense of self, 94	166
Relative poverty, 8	key issues in, 159-160
Resource depletion costs, 111	outer space ethics and sub-theories,
Roscosmos, 164	156–157
	planned adventures of OSA
Self-awareness, 27	movement, 172–177
Self-fulfilling prophecy, psychological	sustainability development and
model of, 98	ethical concerns of OSA,
Self-identity, 27	171–172
Self-realization, 77	in theory, 162
Self-transcendence, 208–209	Space travel, 165
Self-validating reduction, Weston's	Space-research ethics, 150
theory of, 98–99	Spacecraft, 165
Sendai Framework for Disaster Risk	SpaceX, 150–151
Reduction, 48–49	Speciesism, 101
Sexism, 101	Spirituality, 31, 190
Shooting, 131	Structured causes of injustice, 1–2
Social contact, 24–25	Stunning, 131
Social equalization, 171–172	Subjects, objects, properties, and
Social happiness, 8–9	events (SOPE), 199
Social justice, 10–11	Sustainability, 49, 58, 207, 209
Social mindfulness, 191	concept, domain, and scope,
Social progress, 8–9, 191,	67–69
193–194	development and ethical concerns of
Social progress index (SPI),	OSA, 171–172
194	developments on sustainability at
Social welfare, 8–9, 191–193	UN, 49–50
Social well-being, 191	economics, 71
Sociality, 24–25	major developments on, 66-71
Space ethics, 150	negotiations and accords, 48
astronaut health hazards,	types in relation to nature, 70
165–166	Sustainable development, 62
Cosmic Space Ethics, 170	Sustainable developmental goals
democratic space ethics,	(SDGs), 48, 151
162–164	Symbolic compartmentalization,
domain and ethical challenges of	131–132
outer space explorations,	Symbolic interactionism, 98
151	•
ethical concerns regarding OSA	Technozoic sustainability, 64
research and activities,	Teleology, 51, 57, 171–172
160–161	Terraforming, 159
general ethical concerns regarding	Traditional ethical theories, 74
OSA research and	Transcendence, 26–28
explorations, 157–159	Transcendentalism, 26

Transformative feminism, 100–101,	Universal Declaration of Human
114	Rights (UDHR), 2–3
Transhumanism, 177	Utilitarianism, 74
Transhumanist aspirations of OSA,	
177–178	Veganism, 134
Trees, 109	Vegetarianism, 134
	Ventures, 2
UK Department for Environment	Virtue ethics, 155
Food and Rural Affairs	Volitional psychology theorists,
(DEFRA), 121	34
UN Committee on Peaceful Uses of	VonBraun Paradigm, 164
Outer Space (UN	
COPUOS), 153	Warmer Metaphysics,
UN Framework Convention on	74–75
Climate Change	Well-being, 217–218
(UNFCCC), 49–50	Wert-rationale (value-oriented) social
UN Office for Outer Space Affairs	action, 200-201
(UNOOSA), 163	Western culture's oppression of nature
Union of Soviet Socialist Republics	96–97
(USSR), 150	Western free enterprise capitalist
United Nations (UN), 7, 48, 114, 150	system, 7
developments on sustainability at,	Women's Environmental Network
49–50	(WEN), 116
United Nations Conference on	World Society for the Protection of
Environment and	Animals (WSPA),
Development (UNCED),	73–74
114	World Summit on Sustainable
United Nations Environment Program	Development (WSSD),
(UNEP), 119–120	115
United Nations Outer Space Treaty	
(OST), 153	Zero-throwaway
United States Department of	production-distribution-
Agriculture (USDA),	consumption systems, 64
121–123	