

Amanda Shaw

Gendered representations in Hawai'i's anti-GMO activism

**Article (Accepted version)
(Refereed)**

Original citation:

Shaw, Amanda (2016) *Gendered representations in Hawai'i's anti-GMO activism*. [Feminist Review](#), 114 (1). pp. 48-71. ISSN 0141-7789

DOI: [10.1057/s41305-016-0019-6](https://doi.org/10.1057/s41305-016-0019-6)

© 2016 [The Feminist Review Collective](#)

This version available at: <http://eprints.lse.ac.uk/77878/>

Available in LSE Research Online: May 2017

LSE has developed LSE Research Online so that users may access research output of the School. Copyright © and Moral Rights for the papers on this site are retained by the individual authors and/or other copyright owners. Users may download and/or print one copy of any article(s) in LSE Research Online to facilitate their private study or for non-commercial research. You may not engage in further distribution of the material or use it for any profit-making activities or any commercial gain. You may freely distribute the URL (<http://eprints.lse.ac.uk>) of the LSE Research Online website.

This document is the author's final accepted version of the journal article. There may be differences between this version and the published version. You are advised to consult the publisher's version if you wish to cite from it.

Gendered Representations in Hawai'i's Anti-GMO Activism

Amanda Friend Shaw

Abstract

The aim of this article is to analyse some of the representations of intersectional gender that materialise in activism against genetically modified organisms (GMOs). It uses the case of Hawai'i as a key node in global transgenic seed production and hotspot for food, land and farming controversies. Based on ethnographic work conducted since 2012, the article suggests some of the ways that gender is represented within movements against GMOs and offers examples of how this emerges through activist media representations. I suggest some of the ways that intersectional gender shapes this food-related movement by analysing themes of motherhood, warrior masculinities and sexualised femininities, exploring the implications these framings have for identification with movements. I propose that these representations of gender invoke some normative ideas that are nuanced in an intersectional, contextualised frame but that these nonetheless constrain movement participation and support by different subjects. The article suggests that these representations may work together to provide a sense of social certainty and familiarity that works to counterbalance and enable anti-GMO organising's threats to (agri)business as usual in the settler state.

Keywords

anti-GMO activism, genetically modified organisms (GMOs), gender and social movements, Hawai'i, aloha 'āina, settler colonialism

The aim of this article is to analyse some of the representations of intersectional gender that materialise in activism against genetically modified organisms (GMOs). It uses the case of Hawai'i as a key node in global transgenic seed production and a hotspot for food, land and farming controversies. Based on ethnographic work conducted since 2012, the article suggests some of the ways that gender is represented within movements against GMOs and offers examples of how this emerges through activist media representations. I suggest some of the ways that intersectional gender shapes this food-related movement by analysing themes of motherhood, warriorhood and sexualised femininities, exploring the implications these gendered framings have for supporter identification with movements. I propose that these gendered representations invoke some normative ideas about gender that require an intersectional, contextual analysis to understand how they both constrain and enable movement participation. The article suggests that these somewhat normative representations of gender may work together to provide a sense of social certainty that counterbalances the social threat anti-GMO organising poses to (agri)business-as-usual in the settler state.

Background

Hawai'i has been occupied by the US since a coup overthrew the established Hawaiian monarchy in 1893 and, similar to other Pacific territories, has never been decolonised (Trask, 1999; Kauanui, 2008; Baldacchino, 2010). Native Hawaiian organised resistance to the overthrow and to US occupation is longstanding (Kame'eleihiwa, 1992; Silva 2004), and native-settler coalitions continue to resist environmental and socio-culturally destructive land-use practices (Goodyear-Ka'ōpua *et al.*, 2014). Since the late 2000s, food and land-related movements have gathered momentum and visibility in Hawai'i, including activism against GMO's, as Hawai'i has become a global centre for transgenic seed production.¹ While some of the gender politics of Native Hawaiian resistances have been analysed (Trask, 1999; Tengan, 2008; Goodyear-Ka'ōpua, 2009; Hall, 2009), so far nothing has been written about the gendered politics of contemporary food, land and environment-related activism or anti-GMO activism. This article deploys an intersectional understanding of gender in order to analyse the ways in which multiple axes of difference inflect and are shaped by one another (Crenshaw, 1989; McCall, 2005) within political organising (Chun *et al.*, 2013) and specifically within food movements (Harper, 2010).

Gender, social movements and representation

The intersectional politics of Hawai'i's anti-GMO organising and representations thereof are of interest to several areas of feminist and other critical scholarship. In the first case, this includes how multiple axes of identities materialise and are represented in collective action, shaping possibilities for alliance, coalition and social change. In particular, feminist theorising of intersectionality within different social movements has analysed how social meanings are made and identifications are constructed within political organising (Chun *et al.*, 2013, p. 937). In this way, social movement identity framings can mobilise, as well as exclude, potential members and supporters (*ibid.*, p. 937). This is because constructions of identities can come at the expense of particular groups, ignore differences within groups and/or exclude people with membership in more than one category of identity (Crenshaw

¹ Hawaii Crop Improvement Association (HCIA), <http://www.hciaonline.com/> [last accessed 15 March 2015].

1991; Chun *et al.*, 2013, p. 937). These insights mainly stem from consideration of feminist and anti-racist organising—so-called ‘identity-based’ social movements—but how these identity processes work in food and environmental justice organising is emerging (Harper, 2010; Porter and Redmond, 2014).

Gender research within the social movement literature is also of interest to the intersectional politics of Hawai’i’s anti-GMO organising and representations. This research crosses diverse disciplinary terrain, is subdivided by political positionings (e.g. Marxist, liberal etc.), along geographic lines (e.g. global South, global North) and according to whether movements articulate gender-related goals (Conway, 2013, p. 6). Green and environmental movements within the global North are often theorised as examples of new social movements,² as well as analysed for how they frame social issues and ‘grievances’, and construct identities and belonging within particular places and spaces (Horn, 2013, p. 21). New social movement research has emphasised the construction of identities as complex and contingent processes of meaning-making and knowledge production (Conway, 2013, p. 6) wherein movements rework diverse meanings, myths, codes and ideologies, including gendered ideologies (Williams, 1995; Zemlinskaya, 2010, pp. 630-631). This research has explored how gender influences movements’ appeals to different audiences, their processes of mobilisation, tactics and ‘framing processes’ as well as divisions of labour, organisational dynamics and ‘opportunity structures’ (Einwohner *et al.*, 2000; Kuumba, 2001; Zemlinskaya, 2010, p. 628). This research on the gender dimensions of social movement processes is useful in analysing the work that gendered representations in anti-GMO activism do to shape supporter identification and participation in movements.

In a different way, feminist research on mixed-gender movements helps to analyse movements in which women predominate, but where gender is not an explicit area of focus (Horn, 2013, pp. 45–46), as in the case of anti-GMO activism in Hawai’i. This research has shown how women in mixed-gender movements often participate strongly in early organising but are not always recognised as leaders once movements professionalise, nor is women’s ‘grassroots’ community work always acknowledged as political (Zemlinskaya, 2010, p. 630). Even while gender may not be explicitly acknowledged, it has been found that mixed-gender movement actors nonetheless ‘use’ gender strategically to claim or contest legitimacy within the political realm—either for themselves or in ways that affect others’ legitimacy and political claims (Einwohner *et al.*, 2000, p. 680). Indeed, in this way, gender forms part of the larger social stories invoked by social movements and helps to define who is a legitimate political actor (*ibid.*, p. 691).

Einwohner *et al.* (*ibid.*, p. 681; see also Caiazza, 2002) posit that social movements whose framings coincide with normative ideas about gender are more likely to resonate with the public, and that in general, familiar social ideas are more likely to seem compelling and unthreatening (Einwohner *et al.*, 2000, p. 691). This may be seen in how many movements mobilise tropes of mothering and caring (Zemlinskaya, 2010, p. 633) as well as masculine framings of soldiering in their work (Noonan, 1995; Zemlinskaya, 2010, p. 631). However,

² Research on new social movements concerned those movements that emerged during the 1960s and 1970s, which focussed on politics of recognition in relation to new forms of identity and belonging, in contrast to other movements focussed on structural inequalities and the politics of redistribution, such as those associated with labour and nationalist struggles (Horn, 2013, p. 21).

the notion of the 'general public' that underlies these assumptions is somewhat homogenising and ignores how different audiences make sense of activist messages.

Einwohner *et al.* (2000, p. 693) further argue that female activists in particular are caught in a double bind in which they are expected to demonstrate normatively 'feminine' characteristics, while being delegitimised as 'irrational' and 'emotional' on the same basis. Yet again, gender is not the only dynamic of difference that shapes political legitimacy: processes of racialisation and classing also offer their own conundrums and double binds for differently positioned social movement subjects. The intersectional politics of reason and legitimacy within social movements are therefore sometimes contradictory and always context specific. For example, at times normative gender ideals can operate to advance mixed-gender social movement goals and in other moments, spaces and struggles, encumber them (Ferree and Mueller, 2000; Zemlinskaya, 2010).

This is also true for green and environmental movements. Bell and Braun (2010; Alkon, 2011) have argued that representations of working class miner masculinities specifically constrained Appalachian men's participation in coal mining activism, while ideas about femininity and caring facilitated women's roles as movement leaders. Their work demonstrates the need for *relational* accounts of how gender, race, class and other axes of difference influence mixed-gender movements, including food movements (Brown and Ferguson, 1995; DeLind and Ferguson, 1999). An important method for undertaking such accounts includes analysing how activists themselves represent identities in their work, framing, highlighting and downplaying different markers of identities (Hall, 1997).

Accordingly, research on representation has been important for analysing how identities are (re)presented, emphasising the relationships between the politics of the visible and the power of the normative. Scholars of representation therefore connect the production of social knowledge with relations of power and complex relations between absence and presence (Foucault, 1970 cited in Hall, 1997, p. 27; Chow, 1993). In relation to gender and gender norms, representations can be said to encompass 'the real of symbolic and cultural practice that produces images, ideas and fantasies of gender' (Wearing, 2014, p. 143). In other words, representations function as sites where gendered meanings are reflected, resisted and constructed (*ibid.*) which, for social movements, can influence and appeal to different audiences. Since representations are both political and normative, helping to construct desirable norms of gender and politics and also establishing the very conditions by which 'gender' and 'politics' become intelligible in the first place (Butler, 1990, p. 1; Whelehan, 2014, p. 240), these connections between how social movements both cite and rework normative gender are important to understand.

Methods

The task of analysing gendered social movement representations can benefit from multiple methods. Social movement research typically mixes participatory and ethnographic work, and textual and media analysis (e.g. Tyler, 2013) but there is as yet, no rigorously defined methodology for the study of gendered visual representations in social movements (Mattoni and Teune, 2014, p. 876). However, some feminists have combined visual methods in their research on public protests (Tyler, 2013; Coe, 2015) in order to unpack the

discourses, symbols and visual culture activists deploy. They interrogate not only how gender is represented, but how gender informs what comes to be recognised as ‘political’ in the first place (Coe, 2015, p. 891). In another area, visual ethnographies tie together analysis of visual cultural production with ethnographic observation and participation (Pink, 2013).

This article draws on these methods and is based on wider ethnographic fieldwork since 2012 on gender, labour, food and farming in Hawai‘i. During this time, I observed some of the ways that gendered symbols, frames and ideas circulate in GMO debates in Hawai‘i, and specifically within anti-GMO activism in public and online. This paper focuses on activist representations during the 2012-2013 period, at a time when local anti-GMO activism was gaining momentum (Gupta, 2013). During this period, I observed gendered themes within anti-GMO organising that had been highlighted by researchers on environmental and food movements elsewhere. These included the use of maternal and warrior metaphors for activists, as well as the prominence of certain representations of young female sexuality in activist work and materials. Gender was most obviously a theme for groups that used specifically gendered language (e.g. ‘Moms on a Mission’) but is also at work more subtly in activist imagery that focused on women and children.³ Moreover, the insistence on scientific and legal frames for environmental politics (Seager, 2003) and the gendered disassociation between reason/emotion also form part of the wider context that informs how gender shapes GMO debates.

The photographic images analysed in this article were chosen from activist YouTube videos and slideshows that largely depict public protest events and activist signage. These images were chosen to spotlight some of the ways that multiple markers of identities are deployed within Hawai‘i anti-GMO organising, using the visual to anchor the discussion rather than to represent what are a range of activist gendered expressions. In this sense, the approach is similar to Tyler (2013) who draws on mixed methods in her research on gendered protest. In her work, Tyler argues for engaging with protest materials in order to trouble existing understandings of politics, without trying to fix the meanings of protest acts or speak for protestors themselves (*ibid.*, p. 213). The purpose here is comparable: to analyse the work that intersectional gender does in mixed-gender organising in ways that may trouble prevailing theorising on gender and food-related social movements. The analysis of images thus helps to reflect on how identities are represented within social movement organising and how this shapes, constrains and enables different subjects’ participation.

The images were selected based on fieldwork observations, and in this way, partially reflect the broader research relationships (Posocco 2011) and my access to particular subsets of organising – access which is of course directly influenced by my own location as a locally raised white (*haole*)⁴ woman. Issues of personal location are particularly important to consider when analysing representations of race, as Campt highlights, given that the desire to ‘see’ race can animate even critical researchers’ work (Campt 2012). Campt (*ibid.*, pp.

³ For example, the cover image of *Facing Hawai‘i’s Future: Essential Information about GMOs* (Black, 2012), a prominent activist text, which presents a painting including a pregnant woman.

⁴ Given that Hawaiian is an official language of the State of Hawai‘i and thus not a ‘foreign’ language as italics are meant to convey, Trask and Tengan maintain un-italicised use of Hawaiian language terms. However in this paper, circulated in spaces outside Hawai‘i, I have chosen to use the conventional italics for non-English language terms.

127–128) reminds that transparent relationships between the visual and ‘racial truths’ cannot be assumed, as images always result from socially embedded processes of ‘conjuring and fixing’—in this case, from fieldwork encounters (Posocco, 2011). The analysis offered here is thus informed by these positionings and social relationships, is necessarily partial and forms just one part of what might be more systematic accounts of how gender operates within anti-GMO organising and within Hawai‘i food politics more broadly.

Hawai‘i’s anti-GMO organising in context

Hawai‘i’s anti-GMO organising takes place within the context of global debates concerning the safety, ethics and economy of transgenic crops and is related to wider arguments about the effects of input-intensive agriculture, corporate concentration and gene patenting, among other issues (Kleinman and Kloppenburg, 1991; Lapegna, 2014; Schurman and Munro, 2010; Wield *et al.*, 2010). Proponents of transgenic technologies highlight the yields of transgenic crops, arguing that they require fewer pesticides (James, 2014; Federation of American Scientists, 2011a) and that new plant traits will help sustain growing populations, deal with climate change and reduce costs for farmers (Qaim *et al.*, 2013; James, 2014).

Other research cites concerns about GMOs’ effects on human and environmental health, uncertainties associated with genetic drift, and exposure to the pesticides transgenic crops have been engineered to withstand. Some social scholars have argued that patents associated with transgenic technologies represent a form of biocolonialism on indigenous plants and people (Goldberg-Hiller and Silva, 2015) and that pesticides have differentiated gendered, classed and racialised health effects, disproportionately affecting those who live, work and play nearest exposure sites (Acero, 2012).

Differing opinions on transgenic technologies emanate not only from the academy but also from scientific, policy and regulatory entities tasked with the safety of the food supply. The US has declared GMOs safe, and about half of US farmland is used to cultivate transgenic crops, including corn (Fernandez-Cornejo *et al.*, 2014, p. 9). Transnationally, transgenic technologies are promoted through US-backed food aid and philanthropic support (Kleinman and Kloppenburg, 1991), while a handful of transnational corporations dominate the global market for seeds and agrochemicals.

Today, nearly all genetically modified seeds spend some time during their development in the Hawaiian islands (HCIA) and over the last several years, the US-occupied archipelago has become a key centre in the global transgenic seed supply chain. Present since the 1960s, seed companies use Hawai‘i’s year-round growing season to shorten seed breeding times. Early seed companies have since been acquired by agrochemical giants Dow AgroScience, Monsanto, Pioneer Hi-Bred International, Syngenta and BASF, who now conduct a significant amount of open-air research in Hawai‘i—more, in fact, than anywhere else in the US (Callis, 2013). Exported transgenic and hybrid⁵ seed corn is now the state’s highest monetary value agricultural commodity and primary agricultural export, sent to breeders in the US and beyond for cultivation.

⁵ Hybrid seed is that produced through traditional breeding techniques of crossing species to achieve desired traits. This compares to transgenic or genetically modified crops, which have plant or animal genetic material manually inserted into plant DNA.

Seed companies often utilise the land and infrastructure of former sugar and pineapple plantations, owning and leasing about 10 per cent of total Hawai'i agricultural land from a range of landowners including the State, Army and others (Brower, 2013a, 2013b). The companies employ around 1,800 people on the four islands where they operate, hiring field workers from rural areas, many of whom are first or second generation Filipino/a, Native Hawaiian or mixed-raced Local and migrants from the Pacific and Latin America (Hofschneider, 2014). Research is growing on the social dimensions of anti-GMO activism in the archipelago (Black, 2012; Brower, 2013a, 2016a, 2016b; Gupta, 2013, 2014) but nothing has been written yet about the gender dimensions of seed/agrochemical companies or local GMO debates.

Hawai'i's anti-GMO and pesticide activism

Hawai'i's anti-GMO activism overlaps in some ways with Native Hawaiian sovereignty organising, with conservation, food and environmental justice work, as well as with other consumer and subcultural movements (Brower, 2013b; Gupta, 2013, 2014). Since at least the mid-2000s, Hawai'i activists have contested the seed company presence and the ecological, cultural, economic and public health impacts of gene patenting, genetic modification and pesticide use. Specifically, the human and ecological health effects of pesticides have become a prominent issue mobilising supporters who otherwise might not be motivated by concern about GMOs (Brower, 2015). And yet the precise relationships between GMOs and pesticide use remain highly disputed and lack long-term, independent research.

For their part, activists have argued that pesticide use by seed companies in Hawai'i is the likely cause of illnesses affecting surrounding areas, including at least one cancer cluster (*Aana v Pioneer Hi-Bred International, Inc.*, 2013) and several reported cases of acute pesticide poisoning in schools (Center for Food Safety, 2015). They argue that the health effects remain unconfirmed in part because seed companies are not required to disclose specific information about pesticide application. Activists contend that Hawai'i's case is unique because transgenic field research sprays pesticides more frequently as plants are tested for resistance, and that as weed resistance grows, companies are turning to older, more deleterious agrochemicals (Center for Food Safety, 2015).

For their part, seed companies argue that activists do not have sufficient scientific evidence to justify their claims and that, in fact, fewer pesticides overall are used to grow transgenic crops than in conventional agriculture because plants themselves manufacture genes that resist pests or weedkillers sprayed on them.⁶ The industry has long asserted that most pesticides used on GM crops, such as RoundUp (glyphosate), are safe, even when used in large quantities (Williams *et al.*, 2000; Monsanto, 2002–2012), and cite US federal law as establishing the baseline of public health regulation for both pesticides and GMOs. For both sides, these debates are ongoing, as independent research on the relationships between pesticides and GMOs remains lacking, although one study on pesticides on the island of Kaua'i has recently been drafted (Adler, 2016).

⁶ Hawaii Crop Improvement Association (HCIA), <http://www.hciaonline.com/> [last accessed 15 March 2015].

Focussing on the relationships between GMOs and pesticides can be understood as a strategy aimed at convincing a public in a context where GMOs have been declared safe and long-term scientific studies are lacking. In contrast to research on GMOs, there is relatively more scientific and popular consensus concerning the negative health effects of pesticides, including recent concern about glyphosate in particular.⁷ Local activism generally highlights pesticide drift—when pesticides move away from sites of application through wind, dirt and groundwater—rather than focussing on direct exposure as would be faced by applicators and seed company workers.⁸ As such, activism tends to centralise consumer, resource-user and public health perspectives, rather than worker ones.

Given the centrality of the pesticide issue in the Hawai'i case, local anti-GMO activism must also be understood in relation to the longer history of environmental and social struggles against chemical use in the islands. Hawai'i already suffers a significant toxic load due to military testing in the environment and plantation agriculture's use of agrichemicals. As research has shown, the effects of pesticides are socially differentiated, affecting poorer people of colour disproportionately, with gendered differentiated effects on reproductive systems (Birke, 2000; Seager, 2003; Ayuero and Swistun, 2009; Iovino, 2013). Indeed, Hawai'i already reports higher than average breast cancer rates (Allen *et al.*, 1997, p. 679) and activists are concerned about what they see as continued threats to *'āina* (land), communities and future generations.

While there is significant feminist scholarship on gender, biotechnology and endocrine-disrupting⁹ chemicals, relatively little has been written specifically about gender and agrobiotechnologies (Di Chiro, 2004; Bryant and Pini, 2006) or anti-GMO activism (Bloomfield and Doolin, 2012), let alone from an intersectional perspective. However, feminist theorising on food and environmental justice can help to explore how gender and other axes of difference are deployed, constructed and challenged within anti-GMO organising, even as further research is needed.

A Gender and food justice approach to analysing Hawai'i's anti-GMO activism

Movements for 'food justice' in the US have emerged at the interstices of environmental, farmworkers', indigenous, feminist and civil rights and other transnational movements (Alkon and Agyeman, 2011; Lukens, 2013, p. 74). Food justice scholars emphasise the ways in which social inequalities shape food and farming (Gottlieb and Joshi, 2010; Harper, 2010; Agarwal, 2014; Redmond and Porter, 2014;), technologies and science (Haraway, 1989, 2008; Acero, 2012), and analyse the gender, race and class dimensions of environmental justice activism (Seager, 1994, 2003; Di Chiro, 1998; Stein, 2004; Bell and Braun, 2010; Perkins, 2012) and food and farming movements (Guthman 2008a, 2008b, 2011; Slocum, 2006; Alkon, 2011; Kimura, 2011; Sachs and Alston, 2014).

⁷ See Guyton *et al.*, 2015.

⁸ However, one recent case of worker hospitalisation has garnered significant attention; see Hofschneider, 2016.

⁹ Pesticide exposure impacts differently gendered bodies at home via pesticide drifts from surrounding fields, through work in agriculture or caring for others who fall ill or who bring exposure with them through their clothes. Pesticides act as endocrine disruptors, irritants and carcinogens and are linked to cancer and reproductive health problems.

Hawai'i's anti-GMO activism intersects with these national and transnational movements for food and environmental justice, as well as with localised struggles for Native Hawaiian sovereignty, the environment and specific conflicts over resource, land use and development (Brower, 2013a, 2013b, 2016b; Gupta, 2013, 2014; Goodyear-Kaopua, 2014). Anti-GMO activism encompasses mixed-gender and multi-ethnic alliances of *haole* and Asian settlers, Native Hawaiians, and US continental and transnational actors. Different activists and groups utilise distinctive strategies and tactics, seeking and obtaining different degrees of media attention and public visibility (Black, 2012). In Hawai'i, anti-GMO activism is often associated with upper-middle class, recent *haole* migrants from the US mainland (so-called 'transplants') and with various subcultural subjects (e.g. hippies, surfers, environmentalists etc.) (Entine, 2013a, 2013b).

Within the localised anti-GMO movement, there is significant recognition by activists that a large share of early community organising was undertaken by older *haole* transplant women, and some Native Hawaiian and Asian American women organisers. At the same time, especially in the period from 2012 to 2013, younger local *haole* and multi-ethnic activists, many of whom were women, began playing increasingly visible roles in movement organising, even while movements' most visible spokespeople were often professional *haole* male experts, lawyers and politicians, and Native Hawaiian male activists. Such divisions of labour are broadly schematic of the period from 2012 to 2013 amongst a certain cadre of activists and groups, though these have undergone significant shifts and changes in ensuing years, including professionalisation. However, in order to understand gendered representations in anti-GMO activism, it is useful to focus on the period from 2012 to 2013 period and to explore how this organising is linked with Hawai'i's history of food and farming politics.

Colonialism, agriculture and gender in Hawai'i

Native Hawaiian agricultural systems involve complex socio-ecological and spiritual relationships (Kame'eleihiwa, 1992), and Hawaiian conceptions of gender link together spiritual meanings, kinship relations, divisions of labour and political leadership in ways that differ markedly from (post)colonial gender norms (Linnekin, 1990; Kame'eleihiwa, 1992; Merry, 2000; Tengan, 2008). With missionary, US and European economic and political ideological influence during the eighteenth century, social and gender relations underwent significant and violent change. During this time, the deaths of many Native Hawaiians profoundly shaped how existing political leaders sought to negotiate growing missionary and colonising influences, including foreign pressures to privatise property in the 1860s (Kame'eleihiwa, 1992). Private property enabled the development of US and European sugar plantations whose racially segregated labour was supplied by mostly male migrants from particular parts of Japan, China, Portugal, Puerto Rico, Korea, Spain, the Philippines and beyond (Takaki, 1984; Fujikane and Okamura, 2008).

In this way, changes to food and agriculture worked as significant colonial technologies (Kame'eleihiwa, 1999; Lukens, 2013), remaking social and ecological relationships (Trask, 1999; Pōmaika'i McGregor, 2007; Goodyear-Ka'ōpua, 2011) and even shaping the aesthetics of taste itself (Hobart, forthcoming). These changes further entrenched Christian and US

social ideals, including gendered divisions of the public/private sphere and a heteropatriarchal nuclear family model. While the colonial gaze historically feminised the islands and Native Hawaiian people (Kame‘eleihiwa, 1992; Hau‘ofa, 1993; Teaiwa, 1999; Trask, 1999; Wood, 1999), changes in the 1790s figured Native Hawaiians and Asian migrants through shifting gendered optics of deviance, threat and domestication.

In the nineteenth-century feminised and exoticised images of welcoming ‘hula girls’ (Trask, 1993; Jolly, 2008; Hall, 2009) were used to promote both military and tourism economies (i.e. ‘militourism’) (Teaiwa, 1994; Ferguson and Turnbull, 1999), while ideas of multiracial harmony were drawn on by white and Asian settler elites to promote US statehood and entrench their political power (Fujikane and Okamura, 2008). These violences were, and are, powerfully and widely resisted by Native Hawaiian organisers and allies (Trask 1991, 1999; Silva, 2004; Pōmaika‘i McGregor, 2007), including through revalorising Hawaiian socio-ecological ways of knowing (Goldberg-Hiller and Silva, 2011) within land-based movements (Pōmaika‘i McGregor, 2007; Tengan, 2008; Goodyear-Ka‘ōpua, 2009). Some groups explicitly draw on Native conceptions of gender, sexuality and family within this cultural and land-based revitalisation work (Tengan, 2008; Wong-Kalu, 2013).

Aloha ‘āina is an important concept in Native Hawaiian organising (Kame‘eleihiwa, 1992; Silva, 2004; Goodyear-Ka‘ōpua, 2011; Gupta, 2014, p. 6; Baker, 2015; Meyer, 2015) and in anti-GMO activism (Altemus-Williams, 2013; Gupta, 2014). It roughly translates to ‘love (*aloha*) for the land (‘*āina*)’—where land is defined as ‘that which feeds’ (Andrade, 2008). Scholars have conceptualised *aloha ‘āina* as a ‘space to link issues of social, cultural, and ecological justice (Beamer, 2013)’ (Gupta, 2014, p. 5) through mutual obligations of serving, honouring and loving ancestors (Kame‘eleihiwa 1992, p. 25; also cited in Ohnuma, 2008, p. 379). However, there is some concern that the concept of *aloha* is also easily coopted by settlers and used to consolidate ‘Local’ identities and the (neo)liberal multicultural settler state (Trask, 1991b; Ohnuma, 2008).

In this way, it is important to differentiate between Native Hawaiian, settler and ‘Local’ identities and to understand the work that indigenous-centred concepts, such as *aloha ‘āina*, perform within anti-GMO organising. ‘Local’ (capitalised) in this case refers to shifting configurations of racialised signifiers to which ethnicity, class and language contribute, but which cannot be reduced to these categories (Fujikane and Okamura, 2008). ‘Local’ is variously defined as participation in cultural conventions (e.g. removing shoes before entering a house); demonstration of awareness of different cultural practises of Hawai‘i’s ethnic groups; speaking Hawaiian English Creole (HEC or Pidgin); simply being of mixed ethnicity; or referring to one or a number of these and other factors (Fujikane and Okamura, 2008).

Scholars have analysed how Local identities emerged in relation to both Native Hawaiian sovereignty movements and mainland *haole* immigration in the 1960s and 1970s and have been used to produce a view of Hawai‘i as the ideal multicultural state (Ohnuma, 2008, p. 375). In contrast, Native Hawaiian identities have been particularly affected by US conceptions of race and narratives of disappearing natives (Ledward, 2007), enforced through ideas of blood quantum (Kauanui, 2007, 2008) that also determine material (e.g.

land) entitlements.¹⁰ In contrast, local-born *haole* developed the term '*kama'āina* (one born in a place) to distinguish themselves from newer white settlers (Wood, 1999), (those now known as 'transplants'). This brief gloss on the relational and shifting categories of identity in Hawai'i speaks to some of the wider processes of colonisation, US hegemony and migration that shape current social and political relations. This context is key to understanding how anti-GMO organising engages with, cites and reworks intersecting identities in their activist representations.

Aloha 'āina warriors

The YouTube film by the 'Hemo Wai Bros' entitled "*Āina Warriors*" features two activists explaining the effects GMO fields have on the island of Molokai as well as footage of public protests, hearings and pesticide sprayers in fields. Toward the beginning of the film, an image appears featuring the protagonists, activist brothers Hanohano and 'Ua Ritte (sons of Native Hawaiian sovereignty and environmental activist Walter Ritte) along with professional surfer and martial arts fighter turned Kauai mayoral candidate, Dustin Barca. The three men appear with their arms crossed, looking back at the camera, while behind them a banner proclaims 'What we love, we will protect.' Along the bottom of the screen the text "*Āina Warriors*" underlines the image (Hemo Wai, 00:22).

Identification with the idea of *aloha 'āina* warriors is strongly connected with Native Hawaiian anti-colonial movements (Tengan 2003, 2008; Goodyear-Ka'ōpua, 2011; Baker, 2015) and now used widely within Hawai'i's anti-GMO activism (Gupta, 2014). The image themes of love and protection for land and future generations bring together concepts of militarised resistance, sacredness and Hawaiian ways of knowing (Tengan, 2003, 2008; Kauanui, 2008; Goodyear-Ka'ōpua, 2011). *Aloha 'āina* entails defence and restoration of historic livelihoods, sacred spaces, cultural practises and historic pathways for provisioning food and managing resources (Pōmaika'i McGregor, 2007; Andrade, 2008; Goodyear-Ka'ōpua, 2009, 2011, 2014; Isaki, 2011).

The warrior dimension to *aloha 'āina* organising can be theorised in relation to Pacific scholarship on masculinities and gender (Tengan 2003, 2008; Jolly, 2008; Walker 2008; Teves, 2012, p. 132) and specifically in relation to European views on Polynesians. Jolly (2008, p. 7) argues that in the Pacific, Europeans viewed Maori as paradigmatic warriors and masculinised Maori people. Tengan has argued that some Native Hawaiian men's groups draw on Maori masculinities to contest European feminisation of Hawai'i and Hawaiians through martial arts and cultural practice (Tengan 2003, 2008; Teves, 2012, p. 132). At the same time, contemporary representations often construct Native Hawaiian men as professional athletes and military warriors (Teves, 2012, p. 94), as either 'patriotic' military men or as 'resistant warriors' (Jolly, 2008, p. 8) and often, as criminals (Goldberg-Hiller, 2014). Processes of feminisation and resistant warriorhood are therefore relational, trans-Pacific and shaped by colonial institutions of the military, sport and education (Jolly, 2008, p. 7).

Moreover, not only are there symbolic, gendered associations at stake in the framing of *aloha 'āina* warriors, but gender can also entail material constraint on movement participation. For example, some men in Tengan's (2008, p. 60) study linked the relative and

¹⁰ Such as access to land—i.e. Hawaiian homelands—which relies on a 50 per cent native Hawaiian 'blood quantum.'

perceived lack of male participation in Native Hawaiian sovereignty movements as directly related to their focus on fulfilling colonial notions of the male breadwinner and emphasis on obtaining paid work. In another area, Braun and Bell (2010) argued that Appalachian men's historic work in coal industries tied their identities to notions of toughness and stoicism that made it difficult for them to participate in anti-coal activism. In this way, racialised and classed ideas about masculinity can shape and limit movement participation and identification in relation to environmental struggles (Kuumba, 2001; Bella and Braun, 2010). In this case, *aloha ʻāina* warrior frames appear masculinised and are also bound up with gendered themes of protection, defence and threat mobilised within anti-GMO organising.

This production of threat within social movement organising has been found to perform specific gendered work, often framing land, women and children as objects of safeguard (Ayuro and Swistun, 2009; Foster, 2011, p. 143). In this way, masculine identities are differentially constructed as, Young (2003) describes, 'dominative' versus 'protective' masculinities. Engaging in the production of protective *aloha ʻāina* warrior identities, therefore, might work to construct 'virtuous masculinity [which] depends on its constitutive relation to the presumption of evil others' (*ibid.*, p. 15)—in this case, the seed/agrochemical companies.

In the case of the Hemo Wai Bros. film and in anti-GMO activism more broadly, the idea of threatening seed company outsiders is invoked and reworked against these protective *aloha ʻāina* warrior framings. Critically, this framing of threat must be understood through histories of destruction of Native Hawaiian bodies, livelihoods and foodways by settler-state supported corporate agriculture.¹¹ Seed companies are seen within this history as threatening resources and practices such as fishing, hunting and foraging because of the effects of pesticides, monocropping and genetic drift. In this case, Native Hawaiian-centred warrior identities come to be constructed, in part, against seed company managers, who are often white male transplants, as well as against *haole* and Asian settler government managers and economic elites that support the seed company presence.

Aloha ʻāina warrior masculinities within anti-GMO organising link with the longer histories of resistance to colonialism in ways that connect surfing subcultures, *aloha ʻāina* warrior identities and ecological knowledge. For example, Native Hawaiian ecological and oceanic knowledges have been at the forefront of efforts to challenge environmentally destructive practices and in some ways, colonial logics as well (Tengan 2003; Walker 2008). Comer (2010, p. 61) argues that surfing subcultures were instrumental in 'politicized critical localisms' resisting development in Hawai'i, while Walker (2008) sees Native Hawaiian oceanic prowess as an important space of anti-colonial resistance and autonomy.¹²

¹¹ See the Hemo Wai Bros. 'Making Monstas', video, <https://www.youtube.com/watch?v=8oeQMrKrgq8> [last accessed 3 March 2015].

¹² However, these scholars also acknowledge that Native Hawaiian ecological ways of knowing have also been fetishised, militarised (Tengan, 2008a) and commercialised (Chagnon, 2015). In his analysis of sites of memory work in relation to a Hawaiian US military expedition, Tengan (2008a) analyses how Native Hawaiian men's Oceanic prowess has been instrumentalised, militarised and positioned as a site of white libidinal investment. These tend to be associated with men and masculinities; however, oceanic and ecological knowledges are not exclusively male domains.

While these histories may facilitate Native Hawaiian men's involvement in anti-GMO activism, they may also work to constrain the participation of other men based on other locally specific masculinities. Particularly, the linkages between Asian settler masculinities, plantation culture and the uncritical (re)production of Localness (Isaki, 2011) may work to disenable certain Local multiracial and Asian settler men's participation with and support for anti-GMO activism. This may be because of material positions in government and agribusiness, but it may also be because of associations between Asian settler masculinities and agricultural work linked with the history of plantation-based migration and the ongoing nostalgic production of plantation culture (Fujikane and Okamura, 2008).

Additionally, concepts of *aloha āina* and warrior masculinities may be especially amenable to capture by white settlers: when anyone can join the call of *aloha āina*, local *haole* may also find space to consolidate insider identities against paradigmatically threatening white others and institutions (e.g. Monsanto) in what Wood (1999) calls '*kama'āina* anti-conquest'. Wood (*ibid.*, pp. 40–41) describes *kama'āina* anti-conquest narratives as those that seek to preserve local *haole* innocence by figuring newer white others as threatening and colonising, maintaining local *haole* hegemony. Moreover, anti-GMO activism's overall figuring of threat by outsiders can also work together with xenophobic localisms that invisibilise the struggles of the predominantly migrant and rural Local, mixed-gender labour force working in agrochemical/seed companies. Such invisibilisation is significant, given that it is these workers who are arguably most directly affected by the issues anti-GMO activism politicises (such as pesticides) and who would be most economically affected by any industry closures.

At the same time that *aloha āina* warriorhood may shape movement identification and anti-GMO activism may otherise those with stakes in GMO debates, analysing masculinities alone is not enough to account for the overall gendered dynamics of these representations. Kauanui (2008, p. 285) cautions that warrior masculinities may reinforce stereotypes about Native Hawaiian male violence and potentially also exacerbate material experiences of gender-based violence in Native Hawaiian communities. In fact, given that in Native Hawaiian epistemologies 'both war and peace—fighting to defend and nurturing growth—have male and female manifestations' (Goodyear-Ka'ōpua, 2011, p. 155), there is reason *not* to associate warriorhood exclusively with men or masculinities. The power of female *aloha āina* warriors and *mana wahine*¹³ within other related political struggles (Trask 1999; Tengan 2008) offers ample reason for considering *aloha āina* warrior representations beyond exclusively masculine associations.

While an intersectional gender analysis of *aloha āina* has yet to be undertaken, we have begun to see some of the ways in which gendered representations shape potentials for movement identification, reception and support. I have argued for reading representations of *aloha āina* warrior activism relationally as part of efforts to (re)work protective masculinities (Tengan, 2008; Walker, 2008) but have also cautioned, with others, that the warrior framing may also be amenable to neocolonial capture in ways that risk gendered stereotyping (Kauanui, 2008; Teves, 2012). Moreover, Western associations between

¹³ For example, the recent successful protection of Mauna Kea: see Ke Kaupu Hehi Ale, 'We are not warriors. We are a grove of trees.', <https://hehiale.wordpress.com/2015/07/06/we-are-not-warriors-we-are-a-grove-of-trees/> [last accessed]; Mauna A Wākea, <https://maunaawakea.com/> [last accessed].

masculinity and warriorhood may also work to downplay the contributions of Native Hawaiian and multiracial women activists at the same time that the framing of threatening outsiders can reinforce uncritical understandings of working class and migrant others who work in seed/agrochemical companies.

Moms on missions

Molokai M.O.M. (Mom Against Monsanto) on a Mission and the statewide Mom Hui are but two examples of groups that draw on tropes of motherhood in their framing of anti-GMO activism. Appeals to mothering and parenting roles are commonplace in Hawai'i's anti-GMO protests, activist videos and public testimony. Closely linked with the focus on mothering and parenting, is an emphasis on keiki (children) and future generations.¹⁴ One such image appears at the beginning of a video slideshow posted by activist and founder of Molokai M.O.M. on a Mission, Mercy Ritte (Ritte 2012, 00:14). The video is a slideshow of residents' protest signs and proposals for change, strongly featuring women, children and elders as well as footage of GMO fields. The second image in the slideshow depicts two women on a roadside with a sign proclaiming, 'WHAT WE LOVE, WE WILL PROTECT' as one woman indicates the other's rounded, presumably pregnant belly (Ritte, 2012).

Critiquing certain ecofeminist conceptions that uncritically feminise the environment ('mother earth'), some scholars have analysed the role of motherhood identities in environmental justice activism, often referred to as 'maternalist' or 'motherist' tropes (Kuumba, 2001, p. 92; Bell and Braun, 2010). Some argue that women's roles as carers for children and the health of others mean that they are often amongst the first to notice and respond to environmental issues (Seager, 2003), and that women of colour are also leaders within environmental justice organising in part because poor communities of colour are disproportionately burdened by toxicity and pollution (i.e. 'environmental racism') (Stein, 2004; Redmond and Porter, 2014). In particular, scholars analyse the use of motherhood themes in environmental justice and anti-GMO activism as an explicit legitimising tactic and movement motivation strategy intended to emotively appeal to and reach potential audiences (Brown and Ferguson, 1995; Bell and Braun, 2010) and downplay the political and threatening nature of movements (Bouvard, 2002).

Common within this scholarship is the emphasis on women's relative apoliticism prior to seeing their children, family and communities affected by environmental issues (Perkins, 2012) even though other research shows that caring duties are not always the primary ways in which women describe their politicisation and activism (Prindeville, 2004; Perkins, 2012). Indeed, other scholars caution against overdrawing these links in ways that responsabilise women for environmental, food and caring work in step with neoliberal ideologies (Agarwal, 2010) and raced, classed discourses of proper motherhood (Kimura, 2011; Skeggs, 2013). Moreover, theorists in other areas have critiqued the tying of femininity to reproductive capacity in environmental discourses (Mortimer-Sandilands and Erickson, 2010; Foster, 2011; Gandy, 2012), showing how emphasis on reproductivity can reinforce normative portrayals of gender and sexuality, ideas of naturalness and discourses of nation (Butler, 1990; Edelman, 2004).

¹⁴ This is the case with the 'Protect Our Keiki' Coalition; see Protect Our Keiki, <http://www.protectourkeiki.org> [last accessed 3 March 2015].

With these caveats in mind, motherism within Hawai'i's anti-GMO organising also requires a contextualised reading of how mothering tropes may shape different subjects' and women's identification, participation and support for movements. Strolovitch and Townsend-Bell (2013, p. 376) contend that appeals to 'motherhood can offer a common identity that cuts across class, race and other identity differences'. And yet, indigenous feminist and queer theorists have demonstrated the ways in which racial and colonial logics assign hierarchical and distinct social value to settler, migrant and native motherhood and reproduction (Brown 2003; Driskill 2011).

In this way, the Mom Hui's use of motherism can be thought in relation to resistance to disappearance narratives as well as to colonial logics that hold native women to western standards of individualised motherhood while stigmatising indigenous childcaring pathways (Brown, 2003; Stoler, 2006; McClintock, 2013 [1995]). Brown contends that the denial of Native Hawaiian parents' symbolic and material ability to care takes place through the targeting of Hawaiian sexual, social and childcare relations. This works to undermine historic practices of *'ohana* and *hanai*—diffusion of childcare and adoption—and also 'reframes motherhood as a moral identity underwritten by law' (Brown, 2003, p. 84). Brown (*ibid.*, p. 85) argues that colonial logics figured certain Native Hawaiian and some Asian migrant femininities, ideals of motherhood and family forms as suspect, deviant and dysfunctional. These logics enforced expectations that mothers maintain family 'respectability', take on moral responsibility for families (*ibid.*, p. 115) and facilitate upward mobility and integration into the settler state (*ibid.*, p. 254). In this way, motherist tropes within anti-GMO activism may reinforce heteronormative colonial logics of settler reproduction and multiculturalism (Isaki, 2011) just as they may also be read to contest the criminalisation of Native Hawaiian pathways of care and resist the disciplining of 'deviant' mothers. In this way, motherist tropes may work to contest forces of disappearance by emphasising material and cultural reproduction and survival (Smith, 2006; Goodyear-Ka'ōpua, 2011).

At the same time that representations of motherism within anti-GMO organising can be read in tension, motherist tropes may be employed strategically to downplay the overt tensions of GMO debates and to appeal to a cross-ethnic frame of identification (Perkins, 2012, p. 86) that harmonises with normative gender expectations (Einwohner *et al.*, 2000). However, indigenous and queer theorists have also critiqued motherism for its association with the heterosexual family, highlighting instead indigenous kinship relations and conceptions of gender and sexualities (Driskill, 2011; Morgensen, 2011). As Isaki (2011, p. 97) writes, heterosexual family forms are not problematic in themselves, but rather become so when 'heterosexual identities are gathered toward *being* the proper subject of the [Hawai'i] settler state...'. In this case, motherist tropes within activism are not in themselves problematic but may become so when particular representations of motherhood come to stand as emblematic representations of proper femininities and as paradigmatic of respectable and non-threatening political subjects.

In this way, emphasis on mothering within anti-GMO activism links with complex and differential visions of 'generationality, reproduction, intimacy, coupling, and kinship' and sexualities that do not necessarily challenge colonial logics (*ibid.*, p. 97). Yet motherism may be employed to bridge differences, downplay political threat and even specifically highlight

the gendered, racialised and classed dimensions of environmental struggles. Ironically, within the context of Hawai'i, focussing on mothers and grandmothers as non-threatening political subjects goes against the history of women who are mothers and grandmothers and have been at the forefront of political resistance to colonialism (Trask 1999; Silva 2004) and spearheaded environmental justice movements (e.g. the Elders of Wai'anae Protect Kaho'olawe Ohana [PKO]).

Babes Against Biotech

Another set of gendered representations in Hawai'i's recent anti-GMO activism can be analysed through the work of Babes Against Biotech (BAB), an activist and political watchdog group. One image in particular appears towards the end of a BAB-member slideshow featuring different moments of political activism, interspersed with photos from BAB's swimsuit calendars,¹⁵ featuring toned and tanned young women¹⁵ featuring toned and tanned young women¹⁶ posing against Hawai'i landscapes as well as other images (Cosmos 2013). It shows an activist at sunset, standing in a swimsuit on the rocks near the ocean, hand raised in a fist in the 'power' symbol (Cosmos 2013: 8:54).

This BAB image can be understood in relation to analyses of postfeminist popular culture, sexualisation and youthful femininities. Gill argues that the sexualisation of contemporary culture and preoccupation with the body, especially the young female body (Gill, 2007; also cited in Whelehan, 2014, p. 242) are hallmarks of postfeminism, whose current normative standard emphasises a slim and gym-toned, white female body (Grosz, 1994). Lipsos (2013) analyses changing ideals of femininities and racialisation through representations of women in calendar images, linking the circulation of pin-up calendars within military spaces and the sexualised and sensationalised portrayal of female bodies in wartime (Teaiwa, 1994). Calendar images often emphasise femininities 'as fun but with fighting spirit' (Lipsos, 2013, p. 135), which might be fitting to describe the above image of the beach going activist.

Normative ideals of femininity, race, sexuality, class, appearance and age are also epitomised in the European fetishistic appropriation of the bikini¹⁷ as a 'neocolonial tourist technology' (Teaiwa, 1994, p. 95–96). Teaiwa (*ibid.*, p. 93) posits that the bikini codes both Pacific island women and Pacific islands themselves as passive and exotic in the colonial gaze, and yet exposed flesh has also long been a site for colonial violence (see also Smith 2006; Stoler 2006; McClintock 2013 [1995]). The politics of clothing and exposing the flesh thus entangle (post)colonial processes of sexualisation and gendering, covering over the actual experiences of Pacific island women and the violence written into the history of the bikini.

This BAB image may be seen to cite some of these themes of sexualisation of the Pacific but also may entail histories of images specific to Hawai'i. Trask (1991) and others argue that

¹⁵ Bros Against Biotech calendars began in 2014.

¹⁶ The Babes Against Biotech calendar text describes the photographed individuals as jewellery and clothing entrepreneurs, organic farmers and gardeners, dancers, models, a radio DJ and others concerned about GMOs for both health and economic reasons; see Babes Against Biotech, <http://www.babesagainstbiotech.org/#!2013-calendar-bab/cx3t> [last accessed 2 March 2015].

¹⁷ 'Bikini' is Marshallese for 'beach' (Teaiwa, 1994, p. 98).

images of welcoming 'hula girls' lump together Native Hawaiian and mixed-race women, and helps construct a hypervisible version of sexualised Hawaiian femininity (Hall, 2009). Trask (1991) argues that these kinds of feminised representations work to welcome the colonial arrival and justify ongoing occupation under the guise of '*aloha*'). In relation to anti-GMO activism, the image in the bikini calendar can be read through its invocation of this sexualised, militouristic Pacific difference that also invokes contemporary ideals of leisure that tan (contingently) white, classed bodies (Ahmed, 1998).

At the same time, tanning and toning represent more than just bodily styles that evidence the classed privileges of leisure, since lives lived outdoors and in the ocean are important parts of life in Hawai'i and the Pacific. The BAB image might be linked specifically to 'brave femininities' associated with surfing subcultures (Comer, 2010)—the 'fun girl with a fighting spirit' in multi-ethnic surfer girl frame (*ibid*, 2010). While the calendar images may reinforce certain ideals of able-bodied femininities, it is important not to downplay young women's political agency based on these representations. In fact, reading these images only through the lens of postfeminism and coloniality might also bypass histories of strategic sexualisation of female bodies and nudity in activism (Sperling, 2013; Eileraas, 2014). Politicised nudity and exposure can work to disrupt the separation of public and private spheres (Eileraas, 2014, p. 41), which in turn may reshape some of the rules of political legitimacy (Butler, 2011).

BAB representations can be also analysed in relation to the tactics used by other anti-GMO movements that involve public exposure of the female body (Bloomfield and Doolin, 2012). As one New Zealand anti-GMO activist remarked, nude exposure was a tactic they utilised out of desperation, when other methods of raising awareness appeared ineffective (Bloomfield and Doolin, 2012, p. 513). Indeed, one BAB member acknowledges the explicit attention-getting strategy of the calendars and that part of the group's aim was to use female sexuality to contravene expectations of what might be described as political subjecthood, propriety and legitimacy, theorised elsewhere by scholars as the normative foundations of politics (Warner, 2002, p. 89). BAB representations must therefore be read within the context of a US regulatory regime in which 'rational' questioning of biotechnologies remains difficult (Kleinman and Kloppenburg, 1991) and prompts appeals to the bodily 'outrageous' (Bloomfield and Doolin, 2012, p. 513; Tyler, 2013).

And yet questions remain about the ways in which women become associated with the body and the ways in which normative depictions of sexualised femininities can reinforce a heteronormative gaze. Moreover, the relative lack of body, age and ethnic diversity in BAB calendars also seems to limit possibilities for provoking the outrageous, sparking public outrage or inducing shame in political opponents (Tyler, 2013)—some of the key aims of other kinds of nude protest. In this sense, BAB representations may constrain participation by, and even alienate, potential participants or supporters with different embodied, class, cultural and subcultural positionings. This may limit not only their ability to attract bodily and identity-diverse calendar participants but also movement participants more broadly. At the same time, BAB representations of femininities take place within the context of the group's astute political work, and members themselves have reflected on how their representational practices affect their work.

Conclusion

In this article, I have suggested some of the complexities of certain gendered representations in anti-GMO organising as a movement without explicit gender aims, but wherein, nonetheless, intersectional gender does important work. I would argue that, in combination, these images work to construct relatively normative representations of gender that are nonetheless possible to read against multiple histories. I would further suggest that these relatively normative representations of gender provide a frame of social continuity and familiarity to anti-GMO organising and that this helps to downplay the threat that anti-GMO organising poses to established political and social relations. In this way, tropes of mothering, warriorhood and sexualised femininities work to anchor the otherwise destabilising challenge that anti-GMO organising poses to (agri)business as usual in the settler state.

This analysis is but a first contribution to theorising representational practices and gendered dimensions of anti-GMO organising and further inquiry is needed to unpack the ways in which less visible and naturalised framings of identities are present within GMO debates. For example, how might classed, racialised representations of experts and professionals (Kimmel, 1993; Frankenburg, 2001; Skeggs, 2013) within Hawai'i's GMO debates help consolidate white and Asian settler masculinities? Moreover, how might gendered the associations of reason and emotion play out in relation to expertise and activism, positioning male subjects as properly political and science as the only legitimate frame (Seager, 2003) for food and environmental debates? To what extent do colonial, feminised misreadings of '*aloha*' as welcome and passivity (Trask, 1999; Ohnuma, 2007) mean that *aloha ʻāina* movements must also contend with how gender may soften and facilitate some political demands and delegitimise and block other aims?

These are but a few of the ongoing questions raised by intersectional accounts of anti-GMO organising. The foregoing discussion has aimed to underscore the importance of contextualised, intersectional accounts of this organising and, by extension, of other food-related social movements. I have tried to show how intersectional feminist theorising is critical to understanding social movement meaning-making processes and that engagements between feminist and food theorising can help to unpick how food movements cite, rework and resist gendered norms. In this way, further research analysing gender intersectionally within anti-GMO organising may yield important insights about the relationships between normativity, subversion and social change relevant to radically transforming food systems, the settler state and perhaps even gender itself.

References

Aana v Pioneer Hi-Bred International, Inc., 2013. 965 F. Supp. 2d 1157.

Adler, P., 2016. *Draft Pesticide Use By Large Agribusinesses On Kaua'i: Findings and Recommendations of The Joint Fact Finding Study Group*. Lihue: The Joint Fact Finding Study Group. Available at: <http://www.accord3.com/docs/GM-Pesticides/draft-report/JFF%20Full%20Report%20-%20DRAFT.pdf>. [last accessed 23 March 2016].

Acero, L., 2012. Biocapital, biopolitics and biosocialities: reframing health, livelihoods and environments with new genetics and biotechnology. In W. Harcourt, ed. *Women Reclaiming Sustainable Livelihoods: Spaces Lost, Spaces Gained*. Basingstoke: Palgrave Macmillan, pp. 221–237.

Agarwal, B., 2010, *Gender and Green Governance: The Political Economy of Women's Presence Within and Beyond Community*. Oxford: Oxford University Press.

Agarwal, B., 2014, Food sovereignty, food security and democratic choice: critical contradictions, difficult conciliations. *Journal of Peasant Studies*, 41(6), pp. 1247–1268.

Ahmed, S., 1998, Animated borders: skin, colour and tanning. In M. Shildrick and J. Price, eds. *Vital Signs: Feminist Reconfigurations of the Bio/logical Body*. Edinburgh: Edinburgh University Press, pp. 45–65.

Alkon, A.H. and Agyeman, J., 2011. *Cultivating Food Justice: Race, Class, and Sustainability*. Cambridge: The MIT Press.

Alkon, A.H., 2011. Reflexivity and environmental justice scholarship: a role for feminist methodologies. *Organization Environment*, 24(2), pp. 130–149.

Allen, R.H., Gottlieb, M., Clute, E., Pongsiri, M.J., Sherman, J. and O Abrams, G.I., 1997. Breast cancer and pesticides in Hawaii: the need for further study. *Environmental Health Perspectives*, 105(3), pp. 679–683.

Altemus-Williams, I., 2013. The struggle to reclaim paradise. *Waging Nonviolence*, 10 April. Available at: <http://wagingnonviolence.org/feature/the-struggle-to-reclaim-paradise/> [last accessed 2 March 2015].

Andrade, C., 2008. Hāena. In C. Howes and J.K.K. Osorio, eds. *The Value of Hawai'i: Knowing the Past, Shaping the Future*. Honolulu: University of Hawai'i, pp. 217–228.

Auyero, J. and Swistun, D.A., 2009. *Flammable: Environmental Suffering in an Argentine Shantytown*. Oxford: Oxford University Press.

Baker, M.T., 2015. Raised fists, hands in earth, bound in chains: the multiple arms of aloha 'āina. Conference paper presented at Native American and Indigenous Studies Meeting, 4–6 June. Washington, DC.

Baldacchino, G., 2010. Upside down decolonization in subnational island jurisdictions: questioning the 'post' in postcolonialism. *Space and Culture*, 13(2), pp. 188–202.

Beamer, K., 2013. Tutu's aloha aina grace. In A. Yamashiro and N. Goodyear-Ka'ōpua, eds. *The Value of Hawai'i 2: Ancestral Roots, Oceanic Visions*. Honolulu: University of Hawai'i Press.

Bell, S.E. and Braun, Y.A., 2010. Coal, identity, and the gendering of environmental justice activism in central Appalachia. *Gender Society*, 24(6), pp. 794-813.

Bellows, A.C., Alcaraz, V.G., and Hallman, W.K., 2010. Gender and food, a study of attitudes in the USA towards organic, local, US grown, and GM-free foods. *Appetite*, 55(3), pp. 540-550.

Birke, L., 2000. Sitting on the fence: biology, feminism and gender-bending environments. *Women's Studies International Forum*, 23(5), pp. 587-599.

Black, C.M., ed., 2012. *Facing Hawai'i's Future: Essential Information about GMOs*. Honolulu: Hawaii SEED. Available at: http://hawaiiseed.org/wp-content/uploads/2014/01/full_book.pdf [last accessed 22 September 2016].

Bloomfield, B.P. and Doolin, B., 2012. Symbolic communication in public protest over genetic modification: visual rhetoric, symbolic excess, and social mores. *Science Communication*, 35(4), pp. 502–527.

Bouvard, M.G., 2002. *Revolutionizing Motherhood: The Mothers of the Plaza de Mayo*. Oxford: Rowman Littlefield Publishers, Inc..

Brower, A., 2013a. Hawaii's local struggle in the global movement for food justice. *Common Dreams*, 23 July. Available at: <https://www.commondreams.org/view/2013/07/23-3> [last accessed 22 September 2016].

Brower, A., 2013b. To feed and protect the world, rein in corporate age. *Huffington Post*, 2 December. Available at: http://www.huffingtonpost.com/andrea-brower/in-celebration-of-world-f_b_4347635.html?utm_hp_ref=hawaiiir=Hawaii [last accessed 22 September 2016].

Brower, A., 2015. Personal communication.

Brower, A., 2016a. From the Sugar Oligarchy to the Agrochemical Oligopoly: Situating Monsanto and Gang's Occupation of Hawai 'i. *Food, Culture & Society*, 19(3), pp.587-614.

Brower, A., 2016.b Hawai 'i: "GMO Ground Zero". *Capitalism Nature Socialism*, 27(1), pp.68-86.

Brown, M., 2003. *Motherhood on the Margins: Rehabilitation and Subjectivity among Female Parolees in Hawaii*. PhD. Honolulu: Department of Sociology, University of Hawaii at Manoa.

Brown, P. and Ferguson, F.I.T., 1995. "Making a big stink": women's work, women's relationships, and toxic waste activism. *Gender Society*, 9(2), pp. 145-172.

Bryant, L. and Pini, B., 2006. Towards an understanding of gender and capital in constituting biotechnologies in agriculture. *Sociologia Ruralis*, 46(4), pp. 261-279.

Butler, J., 1990. *Gender Trouble: Feminism and the Subversion of Identity*. New York: Routledge.

Caiazza, A., 2002. *Mothers and Soldiers: Gender, Citizenship, and Civil Society in Contemporary Russia*. London: Routledge.

Campt, T., 2012. *Image Matters: Archive, Photography, and the African Diaspora in Europe*. Durham: Duke University Press.

Callis, T., 2013. GMO: \$243 million seed industry largest in state's ag sector. *West Hawai'i Today*, 9 June. Available at: <http://westhawaii.com/sections/news/local-news/gmo243-million-seed-industry-largest-state%E2%80%99s-ag-sector.html> [last accessed 15 February 2014].

Center for Food Safety (CFS), 2015. *Pesticides in Paradise: Hawai'i's Health Environment at Risk*. Washington, DC: Center for Food Safety.

Chagnon, N., 2015. Personal communication.

Chow, R. 1993. *Writing Diaspora: Tactics of Intervention in Contemporary Cultural Studies*. Bloomington: Indiana University Press.

Chun, J.J., Lipsitz, G. and Shin, Y., 2013. Intersectionality as a social movement strategy: Asian immigrant women advocates. *Signs*, 38(4), pp. 917-940.

Coe, A.B., 2015. "I am not just a feminist eight hours a day" youth gender justice activism in Ecuador and Peru. *Gender & Society*, 29(6), pp. 888-913.

Comer, K., 2010. *Surfer Girls in the New World Order*. Durham: Duke University Press.

Conway, J.M., 2013. *Praxis and Politics: Knowledge Production in Social Movements*. New York: Routledge.

Crenshaw, K., 1989. Demarginalizing the intersection of race and sex: a black feminist critique of antidiscrimination doctrine, feminist theory and antiracist politics. *University of Chicago Legal Forum*, 1989(1), pp.139-167.

- Crenshaw, K., 1991. Mapping the margins: intersectionality, identity politics, and violence against women of color. *Stanford Law Review*, 43(6), pp.1241-1299.
- DeLind, L., and Ferguson, A., 1999. Is this a women's movement? The relationship of gender to community-supported agriculture in Michigan. *Human Organization*, 58(2), pp. 190-200.
- Della Porta, D., ed. 2014. *Methodological Practices in Social Movement Research*. Oxford: Oxford University Press.
- Deutsch, T., 2011, Memories of mothers in the kitchen local foods, history, and women's work. *Radical History Review*, 2011(110), pp. 167–177.
- di Chiro, G., 1998. Environmental justice from the grassroots: reflections on history, gender, and expertise. In D.J. Faber., ed. *The Struggle for Ecological Democracy: Environmental Justice Movements in the United States*. New York: Guilford Press, pp. 104-136.
- di Chiro, G., 2004. Producing “Roundup Ready®” communities? In R. Stein, ed. *New Perspectives on Environmental Justice: Gender, Sexuality, and Activism*. New Brunswick: Rutgers University Press, pp. 139–160.
- Driskill, Q.L. ed., 2011. *Queer Indigenous studies: Critical interventions in theory, politics, and literature*. University of Arizona Press.
- Edelman, L. 2004. *No Future: Queer Theory and the Death Drive*. Durham: Duke University Press.
- Eileraas, K., 2014. Sex(t)ing revolution, femén-izing the public square: Aliaa Magda Elmahdy, nude protest, and transnational feminist body politics. *Signs: Journal of Women in Culture and Society*, 40(1), pp. 40–52.
- Einwohner, R.L., 1999. Gender, class, and social movement outcomes: identity and effectiveness in two animal rights campaigns. *Gender & Society*, 13(1), pp. 56–76.
- Einwohner, R., Hollander, J.A. and Olsen, T. 2000. Engendering social movements: cultural images and movement dynamics. *Gender and Society*, 14(5), pp. 679–699.
- Entine, J, 2013a. Hawai‘i anti-GMO activists rely on mainland millionaires for ‘grassroots’ campaign. *Forbes*, 2 March. Available at: <http://www.forbes.com/sites/jonentine/2013/10/02/hawaii-anti-gmo-activists-rely-on-mainland-millionaires-for-grassroots-campaign/> [last accessed 2 March 2015].
- Entine, J., 2013b. Hawaii GMO investigation: follow the anti-crop biotech money trail. *Forbes*, 2 October. Available at: <http://www.forbes.com/sites/jonentine/2013/09/04/hawaii-gmo-investigation-follow-the-anti-crop-biotech-money-trail/> [last accessed 2 March 2015].
- Federation of American Scientists (FAS), 2011a. Introduction: agricultural biotechnology. Federation of American Scientist. Available at:

<http://fas.org/biosecurity/education/dualuse-agriculture/2.-agricultural-biotechnology/index.html> [last accessed 22 September 2016].

Federation of American Scientists (FAS), 2011b. U.S. regulation of genetically modified crops. Available at: <http://fas.org/biosecurity/education/dualuse-agriculture/2.-agricultural-biotechnology/us-regulation-of-genetically-engineered-crops.html> [last accessed 22 September 2016].

Ferree, M.M. and Merrill, D.A., 2000. Hot movements, cold cognition: thinking about social movements in gendered frames. *Contemporary Sociology*, 29(3), pp. 454–62.

Ferguson, K.E. and Turnbull, P., 1999. *Oh, Say, Can You See? The Semiotics of the Military in Hawai'i*. Minneapolis: University of Minnesota Press.

Fernandez-Cornejo, J., Wechsler, S., Livingston, M. and Mitchell, L., 2014. Genetically engineered crops in the United States. Washington, DC: United States Department of Agriculture.

Foster, E.A., 2011. Sustainable development: problematising normative constructions of gender within global environmental governmentality. *Globalizations*, 8(2), pp. 135-149.

Foucault, M., 2002 [1970]. *The Order of Things: An Archaeology of the Human Sciences*. London: Taylor and Francis.

Frankenberg, R., 2001, The mirage of an unmarked whiteness. In: B. Rasmussen, ed. *The Making and Unmaking of Whiteness*. Durham: Duke University Press, pp. 72-96.

Fujikane, C. and Okamura, J.Y., eds. 2008, *Asian Settler Colonialism: From Local Governance to the Habits of Everyday Life in Hawai'i*. Honolulu: University of Hawaii Press.

Gandy, M., 2012. Queer ecology: nature, sexuality, and heterotopic alliances. *Environment and Planning D: Society and Space*, 30(4), pp. 727–747.

Gill, R.C., 2007. Critical respect: the difficulties and dilemmas of agency and 'choice' for feminism. *European Journal of Women's Studies*, 14(1), pp. 69–80.

Goldberg-Hiller, J., 2014. Prison and place: carceral reform and indigenous dispossession in Hawai'i'. Presentation made at Critical Dispossession, 20 October. London.

Goldberg-Hiller, J. and Silva, N.K., 2011, Sharks and pigs: animating Hawaiian sovereignty against the anthropological machine. *South Atlantic Quarterly*, 110(2), pp. 429–446.

Goldberg-Hiller, J., and Silva, N.K., 2015. The botany of emergence: Kanaka ontology and biocolonialism in Hawai'i. *Journal of the Native American and Indigenous Studies Association*, 2(2), pp1–26.

Goodyear-Ka'ōpua, N., 2009. *The Seeds We Planted: Portraits of a Native Hawaiian Charter*

School. Minneapolis: University of Minnesota Press.

Goodyear-Ka'ōpua, N., 2011. Kuleana Lahui: collective responsibility for Hawaiian nationhood in activists' praxis. *Affinities: A Journal of Radical Theory, Culture, and Action*, 5(1), pp 130–163.

Goodyear-Ka'ōpua, N., Hussey, I. and Wright, E.K. eds., 2014. *A Nation Rising: Hawaiian Movements for Life, Land, and Sovereignty*. Durham: Duke University Press.

Gottlieb, R. and Joshi, A. 2010. *Food Justice*. Cambridge: MIT Press.

Guyton, K.Z, Loomis, D., Grosse, Y., El Ghissassi, F., Benbrahim-Tallaa, L., Guha, N., Scoccianti, C., Mattock, H. and Straif, K., 2015. Carcinogenicity of tetrachlorvinphos, parathion, malathion, diazinon, and glyphosate. *The Lancet: Oncology*, 15(5), pp. 490–491.

Grosz, E.A., 1994. *Volatile Bodies: Toward a Corporeal Feminism*. Indianapolis: Indiana University Press.

Groves, J.M., 2001. Animal rights and the politics of emotion: folk constructions of emotion in the animal rights movement. In J. Goodwin, J.M. Jasper, and F. Polletta, eds., *Passionate Politics: Emotions and Social Movements*. Chicago: The University of Chicago Press, pp. 212–232.

Gupta, C., 2013. Aloha aina as an expression of food sovereignty: a case study of the challenges to food self-reliance on Molokai, Hawaii. Conference paper presented at Food Sovereignty: A Critical Dialogue, International Conference 14–15 September. Yale University, New Haven.

Gupta, C., 2014. Sustainability, self-reliance and aloha aina: the case of Molokai, Hawai'i. *International Journal of Sustainable Development and World Ecology*, 21(5), pp. 389–397.

Guthman, J., 2008a, Neoliberalism and the making of food politics in California. *Geoforum*, 39(3), pp. 1171–1183.

Guthman, J., 2008b. Bringing good food to others: investigating the subjects of alternative food practice. *Cultural Geographies*, 15(4), pp. 431–447.

Guthman, J., 2011. *Weighing In: Obesity, Food Justice, and the Limits of Capitalism*. Berkeley: University of California Press.

Hall, L.K., 2009. Navigating our own 'sea of islands': remapping a theoretical space for Hawaiian women and indigenous feminism. *Wicazo Sa Review*, 24(2), pp. 15–38.

Hall, S., ed., 1997. *Representation: Cultural Representations and Signifying Practices*,. London; Sage.

Haraway, D.J., 1989. *Primate Visions: Gender, Race, and Nature in the World of Modern Science*. New York: Routledge.

Haraway, D.J., 2008. *When Species Meet*. Minneapolis: University of Minnesota Press.

Harper, A., ed. 2010. *Sistah Vegan: Black Female Vegans Speak on Food, Identity, Health, and Society*. New York: Lantern Books.

Hau'ofa, E., 1993. 'Our Sea of Islands' in, Waddell, E., Naidu, V. and Hau'ofa, E, *A New Oceania: Rediscovering Our Sea of Islands*. Suva, Fiji: School of Social and Economic Development, The University of the South Pacific in association with Beake House.

Helman, S., 1999. From soldiering and motherhood to citizenship: a study of four Israeli peace protest movements. *Social Politics: International Studies in Gender, State and Society*, 6(3), pp. 292–313.

Hobart, H., forthcoming. *Tropical Necessities: Ice, Territory, and Taste in Colonial Hawai'i*. New York: NYU Department of Nutrition and Food Studies.

Hofschneider, A., 2014. Molokai has the most to lose, but least say in GMO debate. *Civil Beat*, 14 July. Available at: <http://www.civilbeat.com/2014/07/molokai-has-the-most-to-lose-but-least-say-in-gmo-debate/> [last accessed 2 March 2015].

Hofschneider, A., 2016. Syngenta workers seek medical aid after pesticide use on Kauai. *Civil Beat*, 22 January. Available at: <http://www.civilbeat.org/2016/01/syngenta-workers-seek-medical-aid-after-pesticide-use-on-kauai/> [last accessed 2 March 2015].

Horn, J., 2013. Gender and social movements: overview report. BRIDGE, September. Available at: <http://docs.bridge.ids.ac.uk/vfile/upload/4/document/1401/FULL%20REPORT.pdf> [last accessed 30 December 2015].

Iovino, S., 2013. Toxic epiphanies: dioxin, power, and gendered bodies in Laura Conti's narratives on Seveso. In G. Gaard, S.C. Estok and S. Oppermann, eds. *International Perspectives in Feminist Ecocriticism*, pp. 37–55.

Isaki, B., 2010. Tensing temporalities: theorizing Asian settler colonialism in a decolonizing Hawaii. In Western Political Science Association 2010 Annual Meeting Paper.

Isaki, B. 2011. HB 645, settler sexuality, and the politics of local Asian domesticity in Hawai'i. *Settler Colonial Studies*, 1(2), pp. 82-102.

James, C., 2014. *Brief 49: Global Status of Commercialized Biotech/GM Crops: 2014*. Ithaca: International Service for the Acquisition of Agri-biotech Applications (ISAAA).

Kame'eleihiwa, L. 1992. *Native Land and Foreign Desires*. Honolulu: Bishop Museum Press.

- Kauanui, J.K., 2007. Blood and reproduction of the race in the name of Ho'oulu Lā hui—a Hawaiian feminist critique. *Pacific Studies*, 30(1/2), pp. 110–116.
- Kauanui, J.K., 2008. Native Hawaiian decolonization and the politics of gender. *American Quarterly*, 60(2), pp. 281–287.
- Kimmel, M., 1993. Invisible masculinity. *Society*, 30(6), pp. 28–35.
- Kimura, A., 2011. Food education as food literacy: privatized and gendered food knowledge in contemporary Japan. *Agriculture and Human Values*. 28(4), pp. 465–482.
- Kleinman, D. and Kloppenburg, J., 1991, Aiming for the discursive high ground: Monsanto and the biotechnology controversy. *Sociological Forum*, 6(3), pp. 427–447.
- Kuumba, B., 2001, *Gender and Social Movements*. Walnut Creek: AltaMira Press.
- Lapegna, P., 2014. Global ethnography and genetically modified crops in Argentina: on adoptions, resistances, and adaptations. *Journal of Contemporary Ethnography*, 43(2), pp. 202–227.
- Ledward, B.C., 2007. On being Hawaiian enough: contesting American racialization with native hybridity. *Hūlili: Multidisciplinary Research on Hawaiian Well-Being*, 4(1), pp. 107–143.
- Linnekin, J., 1990. *Sacred Queens and Women of Consequence: Rank, Gender, and Colonialism in the Hawaiian Islands*. Ann Arbor: University of Michigan Press.
- Lipsos, E., 2013. *Anatomy of a Pin-Up: A Genealogy of Sexualized Femininity Since the Industrial Age*. PhD. Exeter: Department of English, University of Exeter.
- Lukens, A., 2013. *Theorizing Food Justice: Critical Positionality and The Political Economy of Community Food Systems*. PhD. Honolulu: Department of Political Science, University Of Hawai'i at Manoa.
- Mattoni, M.A., 2012. *Media Practices and Protest Politics: How Precarious Workers Mobilise*. Farnham: Ashgate Publishing, Ltd..
- Mattoni, A. and Teune, S., 2014. Visions of protest: a media-historic perspective on images in social movements. *Sociology Compass*, 86, pp. 876–887.
- McCall, L., 2005. The complexity of intersectionality. *Signs: Journal of Women in Culture and Society*, 30(3), pp. 1771–1800.
- McClintock, A., 2013 [1995]. *Imperial Leather: Race, Gender, and Sexuality in the Colonial Contest*. New York: Routledge.

Merry, S.E., 2000. *Colonizing Hawai'i: The Cultural Power of Law*. Princeton: Princeton University Press.

Meyer, M.A., 2015. Manulani Aluli Meyer: Kapu Aloha for Maunakea, a discipline of compassion. *UH Hilo Stories*, 13 April. Available at: <http://hilo.hawaii.edu/news/stories/2015/04/13/kapu-aloha/> [last accessed 13 April 2015].

Momsen, J.H., 2007. Gender and agrobiodiversity: introduction to the special issue. *Singapore Journal of Tropical Geography*, 28(1), pp. 1–6.

Monsanto, 2002–2012. Is Glyphosate Safe? Monsanto, n.d.. Available at: <http://www.monsanto.com/glyphosate/pages/is-glyphosate-safe.aspx> [last accessed 15 December 2015].

Mortimer-Sandilands, C. and Erickson, B., 2010. *Queer Ecologies: Sex, Nature, Politics, Desire*. Indianapolis: Indiana University Press.

Motta, S. and Nilsen, N., 2011. *Social Movements in the Global South: Dispossession, Development and Resistance*, Basingstoke: Palgrave Macmillan.

Ohnuma, K., 2008. “Aloha Spirit” and the cultural politics of sentiment as national belonging. *The Contemporary Pacific*, 20(2), pp. 365–394.

Perkins, T., 2012. Women’s pathways into activism: rethinking the women’s environmental justice narrative in California’s San Joaquin Valley. *Organization Environment*, 25(1), pp. 76–94.

Pink, S., 2013. *Doing Visual Ethnography*. London: Sage Publications Ltd..

Pomaika'i McGregor, D. 2007, *Na Kua'aina: Living Hawaiian Culture*. Honolulu: University of Hawaii Press.

Posocco, S., 2011. Ethnography and incommensurability in the aftermath of insurgency. *Cultural Dynamics*, 23(1), pp. 57–71.

Prindeville, D., 2004. The role of gender, race/ethnicity, and class in activists’ perceptions of environmental justice. In R. Stein, ed. *New Perspectives on Environmental Justice: Gender, Sexuality, and Activism*. New Brunswick: Rutgers University Press, pp. 93–108.

Qaim, M., Krattiger, A F., and Von Braun, J., eds., 2013. *Agricultural Biotechnology in Developing Countries: Towards Optimizing the Benefits for the Poor*. Dordrecht: Springer Science and Business Media, B.V..

Sachs, C. and Alston, M., 2014, Global shifts, sedimentations, and imaginaries: an introduction to the special issue on women and agriculture. *Signs: Journal of Women in Culture and Society*, 35(2), pp. 277-287.

- Schurman, R. and Munro, W., 2010, *Fighting for the Future of Food: Activists Versus Agribusiness in the Struggle Over Biotechnology*. Minneapolis: University of Minnesota Press.
- Seager J., 1994, *Earth Follies: Coming to Feminist Terms With the Global Environmental Crisis*. New York: Routledge.
- Seager, J., 2003. Rachel Carson died of breast cancer: the coming of age of feminist environmentalism. *Signs: Journal of Women in Culture and Society*, 28(3), pp. 945–972.
- Silva, N., 2004, *Aloha Betrayed: Native Hawaiian Resistance to American Colonialism*. Durham: Duke University Press.
- Skeggs, B., 2013. *Class, Self, Culture*. Abingdon: Routledge.
- Slocum, R., 2006, 'Whiteness, space and alternative food practice', *Geoforum*, 38 (2007), pp. 520–533.
- Smith, A., 2006. Heteropatriarchy and the three pillars of white supremacy: rethinking women of color organizing. In INCITE! Women, Gender Non-Conforming, and Trans people of Color, ed. *Color of Violence: The INCITE! Anthology*. Cambridge: South End Press, pp. 66–73.
- Sperling, V., 2012. Politics as Sex: Gender and Political Youth Activism in Putin's Russia. Presentation made at APSA 2012 Annual Meeting, 30 August – 2 September. New Orleans.
- Stein, R., ed., 2004. *New Perspectives on Environmental Justice: Gender, Sexuality, and Activism*. New Brunswick: Rutgers University Press.
- Stoler, L., 2006. *Haunted by Empire: Geographies of Intimacy in North American History*. Durham: Duke University Press.
- Strolovitch, D. and Townsend-Bell, E., 2013. Gender, sex and civil society. In G. Waylen and K. Celis, eds. *The Oxford Handbook of Gender and Politics*. Oxford: Oxford University Press. pp. 367–389.
- Takaki, R., 1984. *Pau Hana: Plantation Life and Labor in Hawaii*. Honolulu: University of Hawaii Press.
- Teaiwa, T., 1994. Bikinis and other s/pacific n/oceans. *The Contemporary Pacific*, 6(1), pp. 87–109.
- Teaiwa, T., 1999. Reading Gauguin's Noa Noa with Hau'ofa's Nederends: militourism, feminism and the 'Polynesian' body. *UTS Review*, 5(1), pp. 53–69.
- Tengan, T. 2003, 'Ke kulana he mahu: remembering a sense of place', *The Contemporary Pacific*, 15(1), pp. 231–233.

Tengan, T., 2008a. *Native Men Remade: Gender and Nation in Contemporary Hawai'i*. Durham: Duke University Press.

Tengan, T., 2008b. Re-membering Panalā'au: masculinities, nation, and empire in Hawai'i and the Pacific. *The Contemporary Pacific*, 20(2), pp. 27–53.

Teves, S. 2012, *We're All Hawaiians Now: Kanaka Maoli Performance and the Politics of Aloha*. PhD. Ann Arbor: Department of American Culture, Horace H. Rackham School of Graduate Studies, University of Michigan.

Trask, H., 1991a. Lovely hula hands: corporate tourism and the prostitution of Hawaiian culture. *Contours (Bangkok)*, 5(1), pp. 8–14.

Trask, H., 1991b, Building between natives and non-natives. *Stanford Law Review* , 43(6), pp. 1197–1213.

Tyler, I., 2013. Naked protest: the maternal politics of citizenship and revolt. *Citizenship Studies*, 17(2), pp. 211-226.

Walker, I., 2008. Hui Nalu, beachboys, and the surfing boarder-lands of Hawai'i, *The Contemporary Pacific*, 20(1), pp. 89–113.

Warner, M., 2002, Publics and counterpublics. *Public Culture*, 14(1), pp. 49–90.

Wearing, S., 2014. Introduction to Part 2: Literary, Visual and Culural Representation. In M. Evans, C. Hemmings, M. Henry, H. Johnstone, S. Madhok, A. Plomien and S. Wearing, eds. *The SAGE Handbook of Feminist Theory*. London: Sage Publications Ltd., pp. 143–148.

Whelehan, I., 2014. Representing women in popular culture. In M. Evans, C. Hemmings, M. Henry, H. Johnstone, S. Madhok, A. Plomien and S. Wearing, eds. *The SAGE Handbook of Feminist Theory*. London: Sage Publications Ltd., pp. 232-249.

Wield, D., Chataway, J. and Bolo, M., 2010. Issues in the political economy of agricultural biotechnology. *Journal of Agrarian Change*, 10(3), pp. 342–366.

Williams, G.M., Kroes, R., and Munro, I.C., 2000. Safety evaluation and risk assessment of the herbicide Roundup and its active ingredient, glyphosate, for humans. *Regulatory Toxicology and Pharmacology*, 31(2), pp. 117–165.

Williams, R.H., 1995. Constructing the public good: Social movements and cultural resources. *Social Problems*, 42(1), pp.124–144.

Wood, H., 1999. *Displacing Natives: The Rhetorical Production of Hawai'i*. Lanham: Rowman Littlefield Publishers, Inc..

Wong-Kalu, H., 2013. Hawaiian values differ From Western traditions. *Honoulu Star-Advertiser*, 30 October. Available at:
<http://kumuhina.tumblr.com/post/65536472499/hawaiian-values-differ-from-western-traditions>. [last accessed 22 September 2016].

Young, I., 2003. Feminist reactions to the contemporary security regime, *Hypatia*, 18(1), pp. 223–231.

Yulia, Z., 2010. Social movements through the gender lens. *Sociology Compass*, 4(8), pp.628-641.