

1 **What causes organisations to fail? A review of literature to inform future food sector**  
2 **(management) research.**

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10  
11 **Abstract**

12 **Background:** Organizational failure in food markets is a potential threat to food security.

13 Thus, a greater understanding of the factors that influence organizational failure and reduce  
14 supply chain resilience is essential to underpin agile and dynamic food supply chains.

15 **Scope and Approach:** The aim of this paper is to contribute to the understanding of system  
16 level factors that influence organizational failure in food supply chains in order to  
17 conceptualize the horizontal and vertical interaction of such factors at the three levels  
18 described: the micro system, the meso system and the macro system level. A systematic review,  
19 based on a specific search strategy, incorporated articles from the fields of management,  
20 business and economics research. Whilst 616 articles were initially identified, only 41 of these  
21 were within the established inclusion criteria and reviewed. A model of organizational failure,  
22 determined here as “The House of Cards Model”, is developed, that can then be empirically  
23 tested in further research.

24 **Key findings and conclusions:** A hierarchy was developed to contextualize the factors  
25 deemed to be of influence. The macro (external environment) level includes criteria such as

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26 economic conditions, formal institutions, government policies, competitors and rumors. The  
27 factors addressed in the meso (organizational) level include organization age and size, location,  
28 property structure, client, supplier and shareholder relationships, financial resources, physical  
29 resources, human resources and succession process. At the micro (individual) level the  
30 managers' skill, characteristics, actions and mindset are of influence. This paper contributes to  
31 advancing the debate and underpins further empirical research on organizational failure in food  
32 supply chains.

33 **Key words:** organizational; failure; meso; micro; macro; factors

### 34 **Highlights**

- 35 • Food supply chain and organizational resilience underpins global food security.
- 36 • Factors leading to organisational failure operate at micro, meso and macro levels.
- 37 • Failure factors can impact individually or in a combined effect.

38

### 39 **1. Introduction**

40 Developing a theoretical literature on studying organizations that succeed is of interest  
41 but to gain a greater understanding of the reasons that organizations fail gives a valuable insight  
42 into aspects of organizational performance (Mellahi & Wilkinson, 2010) and also offers the  
43 research opportunity to learn “what not to do” (Kim, 2007). External international and national  
44 *economic conditions* influence organizational failure i.e. a period of *economic slowdown*, (zero  
45 growth or even by recession) tends to lead to a low rate of investment and a decrease in  
46 consumption levels, leading to aggravating external conditions for the company (Box, 2008).  
47 Further, during periods of economic crisis organizations cannot attract new investors and/or  
48 consumers, therefore, paralyzing their growth rate (Gok, Deshpande, S., Deshpande, A. P., &  
49 Hunter, 2012; Laitinen & Lukason, 2014; Gémar, Moniche & Morales, 2016; Nummela,  
50 Saarenketo & Loane, 2016; Petković, Jäger & Sašić, 2016; Pardo & Alfonso, 2017).

51 Contracting macro-economies tend to drive an increase in *unemployment rate*, further  
52 exacerbating the pressure on consumers, slowing consumption and accelerating organizational  
53 failure (Box, 2008; Buehler, Kaiser & Jaeger, 2012). Therefore, to decrease the risk of failure,  
54 organizations should focus on food markets where there are increasing or diversified consumer  
55 populations (Wollebaek, 2009). This is an argument often used for an organization to develop  
56 a strategy of global positioning in multiple markets to reduce the risk of a downturn in one  
57 particular national or regional market. Higher *interest rates*, if they cannot be serviced by  
58 increased revenue and/or profitability, can increase organizational debt and as access to  
59 financing and refinancing becomes more expensive, the potential for organizational failure  
60 increases (Box, 2008; Priego, Lizano & Madrid, 2014; Petković, Jäger & Sašić, 2016).

61 Furthermore, the *tax rate* paid by the organization can have a mixed influence. High  
62 taxes increase the risk of failure by increasing business costs (Buehler, Kaiser & Jaeger, 2012;  
63 Petković, Jäger & Sašić, 2016). Conversely, García-Ramos, Gonzalez-Alvarez and Nieto  
64 (2017) assert that higher taxes reduce organizational failures, as these taxes are a barrier to  
65 market entry for new competitors and, countries with higher tax rates enforce practices that  
66 lead to managers being more careful and disciplined in relation to their accountability to the  
67 government. *Government intervention* also affects the rate of companies' failure. In a region  
68 or locality where there is high public investment this creates a favorable environment for  
69 companies to work in, thus, a smaller failure rate is predicted (Arasti, 2011; Buehler, Kaiser &  
70 Jaeger, 2012). However, government decisions to enable a more liberal economy can increase  
71 the rate of organizational failure. This results in new competitors entering a regional/local  
72 market, who may introduce new and innovative technologies that decrease production costs,  
73 and as a consequence lower prices intensifying competition (Safley, 2009; Amankwah-Amoah  
74 & Debrah, 2010; Madrid-Guijarro, García-Pérez-de-Lema & Van Auken, 2011; Gok,  
75 Deshpande, S., Deshpande, A. P., & Hunter, 2012; Pardo & Alfonso, 2017). *Fake rumors*

76 relating to the organization circulated by others are difficult to reverse, and negative consumer  
77 perceptions or experience associated with faulty or contaminated products will affect  
78 organizational survival (Amankwah-Amoah, Antwi-Agyei & Zhang, 2018).

79 *Institutions*, and in particular formal institutions such as the legal system, supply chain  
80 assurance, certification and constitutional instruments, play a role to play, because depending  
81 on their purpose and how they were constituted, institutional factors can influence either  
82 positively or negatively on organizational failure (Oertel, Thommes & Walgenbach, 2016).  
83 Organizations may not always have the legal knowledge required to navigate formulated laws  
84 that are very technical, and do not act in their favor (Yonk, Harris, Martin & Anderson, 2017).  
85 More *complex and bureaucratic legislation* gives rise to high costs for companies, potentially  
86 judicial inefficiency and reduces organizational agility as it can take a long time to open or  
87 close a business. Further, these factors lead to a high consumption of organizational and  
88 institutional resources on ensuring legal compliance, often reducing productivity levels as a  
89 result so increasing the risk of organizational failure (D'Aveni, 1989; Petković, Jäger & Sašić,  
90 2016; García-Ramos, Gonzalez-Alvarez & Nieto, 2017).

91 Regulation of factors including location and construction of new premises, access to new  
92 technologies and materials all increase organizational costs (Yonk, Harris, Martin & Anderson,  
93 2017); and potentially organizational resilience, although targeted institutional governance also  
94 has a positive effect in reducing organizational failure (Bordonaba-Juste, Lucia-Palacios &  
95 Polo-Redondo, 2011). The existence of *quality certification systems* such as ISO 9000, is  
96 associated with an organization's positive financial performance (Madrid-Guijarro, A., García-  
97 Pérez-de-Lema, D., & Van Auken, 2011), probably because the organization has better  
98 management systems, and consequently, its internal processes focus on meeting customer  
99 requirements and continuous improvement. Indeed, the development of third-party  
100 certification schemes as a way to drive resilience and risk reduction is well established in food

101 supply chains (Manning, 2018; Manning, Luning & Wallace, 2019). *Organizational recovery*  
102 *laws* underpin organizational survival as weaker recovery laws increase the risk of  
103 organizational failure (White, 2016). This type of institutional support can be both public (state  
104 derived) and private (non-state and market derived).

105 The investigation of organizational failure at the food supply chain level is limited:  
106 considering risk (Olson & Wu, 2010); halal supply chains (Ab Talib, Abdul Hamid & Zulfakar,  
107 2015); supermarket supply chains (Wegner & Padula, 2012) and in some research through  
108 proposing an integrative model (Mellahi & Wilkinson, 2004; Amankwah-Amoah *et al.* 2016).  
109 However, in developing an integrated model that includes all the factors that play a role in  
110 influencing organizational failure in food supply chains, a systems level approach needs to be  
111 considered and that is the original element of the research described here. The hierarchical  
112 classification of factors of influence in organizational failure that is used in this paper is based  
113 on the structural analysis approach of socio-ecological theory as proposed by Bronfenbrenner  
114 (1986). There are three levels of analysis: the macro system (the broader social, political,  
115 institutional and economic conditions of the external environment), the mesosystem (the  
116 internal organizational environment) and the microsystem (the individual and their immediate  
117 environment).

118 Drawing upon a comparative analysis perspective, this paper, after exclusion criteria are  
119 applied, systematically reviews 41 published articles in peer-reviewed journals from 2008 to  
120 2018. The aim of this search strategy was to derive the causal context of organizational failure  
121 for the food industry from management, finance and business domains. The aim of this paper  
122 is to contribute to the understanding of the system level factors that may influence  
123 organizational failure in food supply chains pre-retail in order to conceptualize the horizontal  
124 and vertical interaction of such factors. The study does not aim to be an all-inclusive analysis  
125 of the causes of organisational failure, instead to focus on the loci of terms defined in the

126 methodology and a timeframe of research published between 2008 and 2018. Earlier work that  
127 includes study of actual cases of failure and further sources that provides a wider context  
128 around this study include: Argenti, 1976, D’Aveni, 1989; Hall, 1992; Gaskill, van Auken, &  
129 Manning, 1993; Baldwin et al. 1997; Ooghe & de Prijcker, 2008; Lukason & Hoffman, 2014.

130 This paper contributes to advancing the debate on organizational failure in food supply  
131 chains by firstly drawing together and synthesizing more general literature on organisational  
132 failure to then develop a food supply chain related conceptual model, which is deduced from  
133 the literature that can be tested in further empirical research on organizational failure in food  
134 supply chains.

## 135 2. Approach

136 In undertaking this research we used the six-step systematic process as described in  
137 Machi and Mcevoy (2009) to develop a written academic reflection that provides a logical  
138 argument based on a “comprehensive understanding of the current state of knowledge” about  
139 the given topic, in this case, organizational failure. The six steps employed are now addressed  
140 in more detail:

- 141 (i) **select the topic** – organizational failure is the topic chosen in order to specify and  
142 frame the review;
- 143 (ii) **search the literature** – Web of Science was used for this purpose. The following  
144 keywords were used by checking for the presence in the title or abstract: (business  
145 failure) OR (organizational failure) OR (organizational death) OR (organizational  
146 mortality) OR (organizational output) OR (organizational decline). The focus  
147 period was narrowed down to the years between 2008 and 2018, to include the  
148 most up-to-date research publications. The journal inclusion criteria were  
149 disciplines of Management, Business and Economics and this included food

150 journals. The inclusion criteria were that: (a) the article addressed  
151 organizational failures, and the main objective of study was improving  
152 understanding of organizational failure; and (b) the exclusion criteria were based  
153 on the identification of article duplicates resulting from the use of different search  
154 terms or the article did not add to the argument on organizational failure. The  
155 search identified 616 articles with duplicates (n=20) excluded and then further  
156 exclusions (n=451) based on the criteria outlined above with regard to the title  
157 and abstract. The remaining articles (n=145) were read in full, and the exclusion  
158 criteria was applied again. That resulted in further exclusions (n=104), leaving  
159 the final articles (n=41) suitable for further analysis (see Figure 1 and Table 1).  
160 The papers were empirical research papers (93%) and review papers (7%). With  
161 regards to the quality of the journals, there were 4\* star (5%); 4 star (7%); 3 star  
162 (36%); 2 star (22%); 1 star (15%) and not rated (15%) according to the Academic  
163 Journal Guide (2018).

164 (iii) **develop the argument** – the argument herein was based on the aforementioned  
165 tri-level system analysis of macro, meso and micro factors of influence. This  
166 builds on the work of Lukason & Hoffman, (2014; 2015) who only considered  
167 factors as internal or external to the business;

168 (iv) **survey the literature** – the literature was then read and evidence synthesized see  
169 Table 2 with particular emphasis on the positive (organizational failure was more  
170 likely to happen) or negative influence of specific factors on organizational  
171 failure;

172 (v) **critique the literature** – themes were drawn from the output of stage iv) to  
173 develop a set of factors that can inform future empirical research in organizational  
174 failure, and a “House of Cards” Model is postulated (Figure 2) ; and finally

175 (vi) **write the review** – the review has been written up in this paper and  
176 recommendations put forward for future empirical research.

177 **Take in Tables 1 and 2; Figures 1 and 2**

178 The findings are now outlined to support the data synthesized in the tables and  
179 figures.

180 **3. Findings**

181 The findings are considered at each of the three hierarchical levels of the “House of Cards”  
182 model.

183 *3.1 Macro analytical level:*

184 To analyze the variables at the macro analytical level, nine factors were highlighted from wider  
185 business literature that underpin organizational success or alternatively may drive  
186 organizational failure in food supply chains. Many of these factors have provided context  
187 within the introduction of this paper. The factors can be categorized as either *economic factors*:  
188 financial or economic crises, interest rates, taxation systems, and the degree of liberalization of  
189 the economy; or secondly *social factors* in terms of *structural or institutional factors*,  
190 government policies and the degree of public investment. Thirdly, *market factors* in terms of  
191 competitive factors and the potential for rumors about the company whether real or fictitious  
192 (see Mellahi & Wilkinson, 2004).

193 *3.2 Meso analytical level:*

194 The meso analytical level is the context of the factors that influence organizational  
195 failure at the organizational level. *Strategic profile* is crucial i.e. the internal resources, and the  
196 strategic relationships and networks with clients, suppliers and competitors should drive a  
197 viable and resilient business (Mellagi & Wilkinson, 2004). Category management approaches  
198 in food supply chains over recent years have driven these strategic relationships and value

199 creation and, as a result of recent advances digital technology, are likely to develop further  
200 (Mantrala & Kamran-Disfani, 2018; Chkoniya & Mateus 2019). To ensure its long-term  
201 survival, the organization should have *a good relationship with its shareholders*. If this  
202 relationship is weak, shareholders could believe the organization is not capable of generating  
203 value in the long term and, therefore, the shareholders will reduce the amount of equity they  
204 have invested in the organization. Thus, enterprises with a poor relationship with their  
205 shareholders tend to have a higher likelihood of organizational failure (Priego, Lizano &  
206 Madrid, 2014). Relationships with other direct supply chain actors such as suppliers and  
207 customers are equally important. The *organization's relationship with suppliers* is crucial to  
208 organizational survival, because problems associated with inputs or contractual issues can be  
209 significant in increasing organizational vulnerability (Pardo & Alfonso, 2017). For example,  
210 suppliers increasing the price of the raw materials when this cannot be passed on to the  
211 customer, reduces operating margins (Gok, Deshpande, S., Deshpande, A.P. & Hunter, 2012;  
212 Priego, Lizano & Madrid, 2014). The *organization's relationship with its customers* is another  
213 factor, because if its clients have greater bargaining power, the organization cannot control the  
214 price of the goods and services it sells and thus its operating margin, increasing vulnerability  
215 and directly affecting its chances of survival (Madrid-Guijarro, García-Pérez-de-Lema & Van  
216 Auken, 2011). *Location choice* impacts on network relationships and can benefit, or  
217 alternatively prejudice, organizational survival. When the location is well-chosen, meso-level  
218 externalities generate benefits such as better access to human capital and financial resources  
219 (Williams, 2016). Further, if the business location is composed of organizations from similar  
220 or synergistic sectors, this can generate knowledge transfer and exchange between these  
221 organizations for mutual benefit (Nilsson, 2016). When an organization is located near  
222 universities or research centers, it can benefit from access innovation, technologies and  
223 information, ensuring long-term competitiveness (Nilsson, 2016; Williams, 2016; Maté-

224 Sánchez-Val, López-Hernandez & Fuentes, 2018). An example of the benefits of food business  
225 clusters associated with a university can be found in Food Valley at Wageningen, which links  
226 food business with research centres of excellence (Omta W. & Fortuin, 2013). However, the  
227 probability of some organizations failing is greater if the business is surrounded by other  
228 organizations that have also failed (Maté-Sánchez-Val, López-Hernandez & Fuentes, 2018)  
229 and if the business is near to non-cooperative competitors (Safley, 2009; Nilsson, 2016).

230         The organization's *age* is a variable that many sources identify as being important to  
231 explain the risk of organizational failure. Younger organizations tend to present a higher failure  
232 rate, while conversely older organizations present a higher survival rate (Box, 2008; Madrid-  
233 Guijarro, García-Pérez-de-Lema, & Van Auken, 2011; Fackler, Schnabel & Wagner, 2013;  
234 Vivel-Bua, Lado-Sestayo & Otero-González, 2016). This occurs, because usually, older  
235 businesses have already developed the expertise, competence and experiences that ensure  
236 resilience in crises and difficult times (Esteve-Pérez & Mañez-Castillejo, 2008; Wollebaek,  
237 2009; Bordonaba-Juste, Lucia-Palacios & Polo-Redondo, 2011; Dobbs, Boggs, Grünhagen,  
238 Palacios & Flight, 2014). An *organization's size* is said in the literature to be a factor of  
239 influence (Lukason & Hoffman, 2015; Kücher & Feldbauer-Durstmüller, 2019). The  
240 likelihood of organizational failure is greater in smaller organizations as they lack economic  
241 scale and scope (Thornhill & Amit, 2003; Box, 2008; Esteve-Pérez & Mañez-Castillejo, 2008;  
242 Wollebaek, 2009; Bordonaba-Juste, Lucia-Palacios & Polo-Redondo, 2011; Fackler, Schnabel  
243 & Wagner, 2013; Kalnins, 2016; Vivel-Bua, Lado-Sestayo & Otero-González, 2016). Further  
244 larger organizations may hold greater material stock quantities that would guarantee the  
245 continuation of production even under the impact of severe external meso-level pressure  
246 (Williams, 2016). The use of organizational size as a factor to explain organizational failure  
247 proves to be an interesting criterion. The classification of what is a small, medium or large  
248 organization distinctively varies in the literature between different research studies. Indeed,

249 whilst organizational size is articulated as being important to explain organizational failure,  
250 sources fail to describe in their research what is classed as a small, medium or large  
251 organization. In Europe, the categorization of organizational size uses criteria such as the  
252 number of employees, turnover or size of balance sheet (European Commission, 2016).  
253 Bordonaba-Juste, Lucia-Palacios and Polo-Redondo (2011) and Fackler, Schnabel and Vivel-  
254 Bua, Lado-Sestayo and Otero-González, 2016 did not quantify the size effect. Others defined  
255 business size by the number of employees or turnover (Box, 2008; Esteve-Pérez & Mañez-  
256 Castillejo, 2008; Fackler, Schnabel & Wagner, 2013; Williams, 2016).

257 *Financial resources* also mediate the risk of food business failure, as financial difficulty  
258 is a cited factor. Monetary assets are the key resources used by organizations to manage and  
259 “smooth out” moments of financial or production difficulty (Williams, 2016; Alaka et al.  
260 2017). High operating margin, higher retained earnings, liquidity and cash flow are all  
261 beneficial for organizational survival (Esteve-Pérez & Mañez-Castillejo, 2008; Vivel-Bua,  
262 Lado-Sestayo & Otero-González, 2016; Alaka et al. 2017) and also starting with a high capital  
263 base and having better financial control (Baidoun, Lussier, Burbar & Awashra, 2018) see also  
264 Gaskill et al. (1993). This can prove to be a challenge to achieve in practice in often low profit-  
265 margin food supply chains (Callado & Jack, 2017).

266 As well as financial resources, an organization’s *physical resources*, depending on their  
267 innate characteristics, can aid organizational survival. In competitive environments, companies  
268 with higher technological levels than others experience better survival rates and are less  
269 affected by business environment changes, generally because they have a higher added value  
270 and thus a greater product margins (Madrid-Guijarro, García-Pérez-de-Lema & Van Auken,  
271 2011). The introduction of innovations such as Blockchain technology to reduce transaction  
272 costs and improve transparency is a case in point (Shermin, 2017; Kamilaris, Fonts &  
273 Prenafeta-Boldó, 2019; Schmidt & Wagner, 2019). Therefore, to ensure survival,

274 manufacturing organizations require an adequate level of physical resources (stock) to ensure  
275 the development of specific products and a higher production rate to dilute the fixed costs of  
276 production such as wages, rent and so forth (Esteve-Pérez & Mañez-Castillejo, 2008; Gutierrez,  
277 Meleddu & Piga, 2017).

278         The third organizational resource type is *human resources*, fundamental for the  
279 organization to differentiate itself from its competitors. Investment in employee training to  
280 ensure product and/or service delivery in line with contractual obligations is essential to  
281 generate improved profitability and value creation (Safley, 2009; Van Scheers, 2011; Priego,  
282 Lizano & Madrid, 2014; Petković, Jäger & Sašić, 2016; Pardo & Alfonso, 2017; Baidoun,  
283 Lussier, Burbar & Awashra, 2018). The common problem that family businesses face is poor  
284 succession management leading to organizational failure and emotional barriers around being  
285 replaced or delegating decision-making (Santiago, 2015). Therefore, mindset has a crucial role  
286 at the micro level of the organization. Weak governance and a reticence to let non-family  
287 members have positions of power means some enterprises are simply sold or closed (Santiago,  
288 2015). The way that a company organizes its *executive board*, as well as its own organizational  
289 structure can aid in the understanding why some organizations fail, while others succeed.  
290 Successful companies have a small turnover of board members, and organize their executive  
291 board to have local directors with a knowledge base with local specificity (Wilson, Wright &  
292 Altanlar, 2014). Wilson, Wright and Altanlar (2014) also note that due to their characteristics  
293 of conflict avoidance and creating strategies that add value to the organization, the number of  
294 women present on the board has an impact too. Organizational success is associated with  
295 governance that includes external directors (Baidoun, Lussier, Burbar & Awashra, 2018),  
296 perhaps for the additional skillsets and experience that they provide. When a *family member* is  
297 involved in management and actively participates in the executive board, there is less risk of  
298 organizational failure. Indeed, in times of financial hardship, a family member is more willing

299 to contribute from their own resources to help the organization survive (Revilla, Pérez-Luño &  
300 Nieto, 2016). A further meso-level factor that contribute to vulnerability in periods of external  
301 crisis include the *hierarchical nature of the organization*, the level of formalization of systems,  
302 protocols and procedures, as these will influence an organization's ability, if needed, to  
303 restructure successfully (Wollebaek, 2009). The micro analytical level is now considered.

### 304 ***3.3 Micro analytical level***

305 The micro level of the model considers the importance of the individual whether that is  
306 the managers and/or employees and their responsibility to ensure the organization survives  
307 rather than fails. *Managers* are the principal micro level factor that causes organizations to  
308 fail, because they are responsible for key decision-making within the organization and  
309 operationalizing and implementing strategic organizational plans (D'Aveni, 1989; Gaskill et al.  
310 1993; Arasti, 2011; Laitinen & Lukason, 2014; Gémar, Moniche, & Morales, 2016; Purves,  
311 Niblock & Sloan, 2016). Indeed a defective response can often lead to organizational failure  
312 (Argenti, 1976) Aspects such as managers' overconfidence, lack of qualification, little or no  
313 experience in the business area, lack of organizational skills and a lack of focus on strategy all  
314 play a part in reducing the efficiency of the manager within an organization. This situation will  
315 also reduce the potential to meet competition and/or meet client needs so the client base can  
316 become stagnant and this increases the likelihood of business failure (Lukason & Hoffman,  
317 2014,2015; Almandoz & Tilcsik, 2016; Nummela, Saarenketo & Loane, 2016; Alaka et al.  
318 2017; Pardo & Alfonso, 2017; Baidoun, Lussier, Burbar & Awashra, 2018). *Manager's*  
319 *experience* is important, as a more experienced manager can adopt skills and implement  
320 routines when they face similar problems to those they have experienced before. In addition,  
321 they can have access to an alternative network with new external resources new clients and  
322 they have better knowledge of the market (Wilson, Wright, & Altanlar, 2014). The risk  
323 associated with managerial decision-making is also a factor. However, there are multiple

324 factors of influence here from managers who are afraid of failure or do not like to take risk,  
325 and they present less probability of organizational failure compared with managers that like to  
326 take more risky decisions (García-Ramos, Gonzalez-Alvarez & Nieto, 2017). However, as  
327 previously outlined, managers who fail to take advantage of new opportunities can in turn drive  
328 the business into a stagnant market, which in itself can lead to organizational failure, so the  
329 balance of influence of managerial decision-making is important. As outlined previously  
330 mindset is a key factor in organizational success or failure. *Cognitive entrenchment*, i.e. a  
331 rigidity in mindset means the probability of recognizing, interpreting and integrating new  
332 information is low, and when faced with external influences, these managers have a certain  
333 resistance to changing their perspectives and thus behavior (Almandoz & Tilcsik, 2016).  
334 Hollow (2014) studied strategic inertia and managers' *resistance to change* in alignment with  
335 the organization's strategic direction and concluded that such negative behavior was  
336 fundamental to why organizations fail. Managers when faced with external change who do not  
337 want to make operational or strategic adjustments believe that the existing strategy is more  
338 adequate, despite the evidence before them. Therefore, having a rigid mindset in the face of  
339 change becomes a crucial factor in organizational failure (Amankwah-Amoah & Debrah, 2010;  
340 Santiago, 2015; Oertel, Thommes & Walgenbach, 2016). This literature suggests managers  
341 should develop a mindset open to innovation, problem-solving skills and their leadership style  
342 should be more authoritarian in difficult times, while, in times of stable consumption and  
343 turnover these managers should have a leadership style that is more democratic and charismatic  
344 (Dubrovski, 2009). Despite the importance that managers have in contributing to organizational  
345 survival, or alternatively organizational failure, they often do not see themselves as a chiefly  
346 responsible, in some literature attributing all the blame for failure on external (macro-level)  
347 variables (Arasti, 2011; Gok, Deshpande, S., Deshpande, A.P. & Hunter, 2012).

#### 348 **4. Discussion**

349 Whilst this systematic literature review has highlighted multiple factors of influence on  
350 organizational failure, there is no clear lead on their magnitude or level of importance or indeed  
351 the impact of their interplay with each other, particularly in food supply chains. Figure 2 draws  
352 together and categorizes the factors identified within the literature examined said to have a  
353 positive or a negative influence on organizational failure. In this context, a positive influence  
354 means that organizational failure is more likely whereas a negative influence strengthens the  
355 potential for organizational survival. Further, a series of factors are deduced from the wider  
356 literature can be empirically tested in future research looking specifically at organizational  
357 failure in the food supply chain. This research led to the development of a conceptual model  
358 termed “The House of Cards Model” of organizational failure (Figure 2) to reflect the  
359 hierarchical level of influence of these variables, their positive or negative influence and their  
360 interplay with each other. Other models of organizational failure have been developed and three  
361 are considered here to compare and contrast with “The House of Cards Model.” Mellahi &  
362 Wilkinson (2004) set a context of external environment and organizational characteristics such  
363 as age and size of organization. Their integrative model considers environmental factors at the  
364 macro level that are outside the control of the organization e.g. demographic, technological,  
365 regulatory and economic changes and also ecological factors that encompass both macro  
366 (density, industry life cycle) and meso (age, size) characteristics. The meso/ micro factors  
367 associated with the manager and management are split into two types: organizational factors  
368 (management) and psychological factors (manager). They concur with the findings of this  
369 paper that there is a symbiosis between external and internal factors that influence  
370 organizational failure and that macro factors can have an independent influence on failure (the  
371 bottom tier of the House of Cards model). Amankwah-Amoah (2016) also considers that  
372 organizational failure can be represented by an integrative process model that differentiates  
373 between external (macro) factors and internal, firm level, factors and that these work together

374 to drive stages of organizational decline that ultimately can lead to organizational failure. They  
375 distinguish between positive and negative “jolts” which can influence organizational stability.  
376 Their model is not nuanced in terms of differentiating organizational stability and which jolts  
377 can have significant effect. The bottom tier of “The House of Cards” model shows more clearly  
378 how vulnerable the organization is to external environmental jolts that are often outside the  
379 manager’s control. Amankwah-Amoah (2016) also highlights the value of resources to add  
380 buffer capacity to the organization (the middle tier of the House of Cards model). A strong  
381 middle tier can add organizational resilience and stability compared to other organizations in  
382 the same field that may have lower cash reserves, lower physical and human resource levels  
383 and weaker supply chain and consumer relationships. Crutzen & Callie (2008) also develop an  
384 integrative model for organizational failure that again highlights organizational characteristics  
385 such as age or size of organization. Again, this model considers the external environment (the  
386 macro level) and the potential for misalignment. The inner layer of the model then considers  
387 the meso layer in terms of interaction with stakeholders and relationships, resource deployment  
388 and management policies. The macro level is not considered explicitly. The Crutzen & Callie  
389 model also considers the development of early warning signals based on inherent weaknesses  
390 at the meso or macro level. The House of Cards Model described here also details twenty-four  
391 factors around which an early warning metrics-based system could be developed. Further, the  
392 “House of Cards Model” illustrates that for an organization to be resilient; it should consider  
393 and reduce the risk of negative influences at the macro, meso and micro analytical level. The  
394 three levels are interdependent, so, any fragility in one hierarchical layer can cause stress in  
395 another and if the weakness generated is large enough within this model at any level, it can  
396 trigger organizational failure.

397 The macro analytical level is composed of variables external to the organization, and  
398 these are common to all businesses, but of particular concern in low margin food supply

399 chains less resilient to market shocks or long-term squeezes that stifle profitability and  
400 innovation. Organizations do not have the control over such variables, so if the organization  
401 wants to ensure its long-term survival, it must adapt in the micro and meso level to reduce  
402 vulnerability to the factors of influence at the macro level. If the organization cannot mitigate  
403 or offset the risks associated with external environment, it will fail because the entire ‘House  
404 of Cards’ will collapse as the foundations have been weakened irretrievably irrespective of  
405 how strong the other layers are.

406 By focusing on its internal organizational resources – at the meso analytical level – the  
407 organization can seek to adapt to influencers. Therefore, the strategic and operational  
408 management of these economic, market and social resources must be effective to ensure  
409 organization survival. This is especially important in terms of developing resilient and strong  
410 organizational relationships with shareholders, suppliers and customers. Effective management  
411 of internal organizational resources will depend on the managers (micro analytical level), who  
412 are responsible for decision-making and the strategic development of the organization.  
413 Therefore, the managers’ characteristics, abilities, mindset and actions are fundamental to  
414 ensure organization survival. If the management of the organization is weak, its survival is  
415 threatened. The “House of Cards” model is intentionally developed as a system based rather  
416 than a linear model. A linear model implies that if the organization has some fragility in one  
417 variable, this can trigger a chain reaction across the business, a form of “domino-effect”, and  
418 therefore, dependent on the size of the impact and the level of the organization’s adaptive  
419 capacity then organizational failure may automatically occur. However, in the model presented  
420 here if the adaptive capacity is sufficient within the organization, it can build in resilience to  
421 market shocks and squeezes. Therefore, the model shows that ensuring organization survival  
422 is complex and requires a system based multi-level approach.

## 423 **5. Conclusion**

424 The systematic literature review on the factors influencing organizational failure has  
425 identified the main variables that can lead an organization to fail. Organizational failure can be  
426 both positively and negatively influenced by such factors, which operate at three system levels:  
427 macro, meso and micro. Based on the analysis of these variables, it was possible to develop  
428 “The House of Cards Model” of organizational failure. Such a model illustrates and can help  
429 individuals to understand the complex and interconnecting reasons that can lead to  
430 organizational failure in food supply chains and provides factors that can be integrated into a  
431 metrics based early warning system. The three analytical levels presented in the model are  
432 interdependent, i.e., a change in one level should affect the other levels. Consequently, ensuring  
433 the long-term success of an organization is a complex task and requires a system-based  
434 approach. Further, if the organization wants to ensure its long-term survival, it will need to  
435 develop resilience capabilities and agile adaptive capacity at all three levels. However, if there  
436 is a major impact at the macro level this can lead to organizational failure in some businesses,  
437 even if the systems at the micro and meso levels are strong. Therefore, it is important to the  
438 field of organizational food studies literature to identify the variables of interest and the  
439 connected development of organizational adaptive capacity. The main limitation of this  
440 research is the narrowness of the literature search terms, but this has provided a clear model  
441 that can be tested. Empirical research is required to verify both how the variables individually  
442 and collectively influence organizational failure and also how mitigation measures can be  
443 implemented to minimize failure events.

444 This study has implications for all managers, but particularly those who create cognitive  
445 distance between themselves and the factors that influence organizational failure. Creating  
446 cognitive distance can allow managers or executives to seek to exempt themselves from any  
447 responsibility when an organization is going through a difficult period. Furthermore, this study  
448 confirms that the managers’ lack of experience, skills and knowledge and even overconfidence

449 can all contribute to organizational failure. Therefore, managers should be aware of their  
450 particular role in ensuring organizational survival and growth and awareness of the multiple  
451 factors of influence is a major step towards developing resilient businesses.

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**Table 1. Review of Literature Sources**

Journals	Number of articles	Review (R1) or research (R2)	Journal grade (AJG 2018)
Academia Revista Latinoamericana de Administración	1	R2	1
Academy of Management Journal	1	R2	4*
African Journal of Business Management	2	R2 (n=2)	-
Annual Review of Financial Economics	1	R1	3
Business History	2	R2 (n=2)	3
Business History Review	1	R1	4
Cornell Hospitality Quarterly	1	R2	2
Economic Modelling	1	R2	2
Entrepreneurship and Regional Development	1	R2	3
European Management Review	1	R1	3
Family Business Review	1	R2	3
Group Organization and Management	1	R2	3
International Entrepreneurship and Management Journal	1	R2	1
International Journal of Construction Management	1	R2	1
International Journal of Human Resource Management	1	R2	3
International Small Business Journal	2	R2 (n=2)	3
Journal of Business and Industrial Marketing	1	R2	2
Journal of Business Economics and Management	1	R2	2
Journal of Business Research	1	R2	3
Journal of Developmental Entrepreneurship	1	R2	-
Journal of Entrepreneurship and Public Policy	1	R2	1
Journal of Entrepreneurship in Emerging Economies	1	R2	1
Journal of Family Business Management	1	R2	-
Journal of Retailing and Consumer Services	1	R2	2
Journal of Small Business and Enterprise Development	2	R2 (n=2)	2
Management: Journal of Contemporary Issues	1	R2	-
Management Research Review	1	R2	1
Nonprofit Management and Leadership	1	R2	-
Organization Studies	1	R2	4
Small Business Economics	4	R2 (n=4)	3
Strategic Management Journal	1	R2	4*
Total Quality Management and Business Excellence	1	R2	2
Tourism Economics	1	R2	2
Tourism Management	1	R2	4
Total	41	R1 (n=3) R2 (n=38)	4* (n=2); 4 (n=3); 3 (n=15); 2 (n=9); 1 (n=6); - (n=6)

667 **Table 2. Factors that influence organizational failure derived from the systematic review**

Nº	Author	Title	Influencing factors	Level of influence	Impact on failures
1	Alaka et al. 2017	<b>Critical factors for insolvency prediction: towards a theoretical model for the construction industry.</b>	<i>Financial resources</i>	2	The lower the profit retained, the greater the probability of organizational failure.
			<i>Manager</i>	1	Managers lacking skills and incapable of strategic planning, increase the probability of organizational failure.
2	Almandoz, & Tilcsik, (2016)	<b>When experts become liabilities: domain experts on boards and organizational failure.</b>	<i>Manager</i>	1	The higher proportion of specialist managers in one area within a company, the greater probability of organizational failure.
3	Amankwah-Amoah & Debrah (2010)	<b>The protracted collapse of Ghana Airways: lessons in organizational failure.</b>	<i>Governance policies</i>	3	Liberal and globalized economies increase the probability of organizational failure.
			<i>Manager</i>	1	Managers with lack of skills to adapt to external changes increase the probability of organizational failure.
4	Amankwah-Amoah, Antwi-Agyei & Zhang, (2018).	<b>Integrating the dark side of competition into explanations of business failure: evidence from a developing economy.</b>	<i>Rumors</i>	3	The greater presence of rumors regarding the existence of contaminated or defective products, the greater probability of organizational failure.
5	Arasti (2011)	<b>An empirical study on the causes of business failure Iranian context.</b>	<i>Manager</i>	1	Presence of managers who lack of the skills to manage the business increase the probability of organizational failure.
			<i>Government policies</i>	3	Insufficient government policies increase the probability of organizational failure.
6	Baidoun, Lussier, Burbar & Awashra, (2018)	<b>Prediction model of business success or failure for Palestinian small enterprises in the West Bank.</b>	<i>Financial resource</i>	2	The lower the initial capital of the company, at the time of its foundation, the greater probability of organizational failure.
			<i>Enterprise age</i>	2	The younger the company, the greater probability of organizational failure.
			<i>Manager</i>	1	Inexperienced managers increase the probability of organizational failure.
			<i>Human resources</i>	2	Companies whose salespeople have better sales skills, decrease the probability of organizational failure.
			<i>Consultancy support</i>	2	The presence of external consultancy support decreases the probability of organizational failure.
7	Bordonaba-Juste, Lucia-Palacios & Polo-Redondo (2011)	<b>An Analysis of franchisor failure risk: evidence from Spain.</b>	<i>Enterprise age</i>	2	The younger the organization, the greater probability of organizational failure.
			<i>Enterprise size</i>	2	The more the company grows, and consequently the larger it gets, the lower the probability of organizational failure.
			<i>Institution</i>	2	Quality certification decreases the probability of organizational failure.
8	Buehler, Kaiser & Jaeger (2012)	<b>The geographic determinants of bankruptcy: evidence from Switzerland.</b>	<i>Location (network)</i>	2	Companies (hotels) being located in tourist areas decreases the probability of organizational failure
			<i>Economic conditions</i>	3	The higher unemployment is the greater probability of organizational failure.
			<i>Government policies</i>	3	The lower the level of public investment, the greater the probability of organizational failure.

9	Box (2008)	<b>The death of firms: exploring the effects of environment and birth cohort on firm survival in Sweden.</b>	<i>Enterprise age</i>	2	The younger the company, the greater the probability of organizational failure.
			<i>Enterprise size</i>	2	The smaller the company, the greater the probability of organizational failure.
			<i>Economic conditions</i>	3	An expanding economy decreases the probability of organizational failure. The higher the interest rate, the greater probability of failure.
10	Camillo, Connolly, & Kim, (2008).	<b>Success and failure in Northern California.</b>	<i>Manager</i>	1	Inexperienced and unqualified managers increase the probability of organizational failure. Managers that are more confident and optimistic, the greater probability of organizational failure.
11	Ciampi (2015)	<b>Corporate governance characteristics and default prediction modelling for small enterprises. An empirical analysis of Italian firms.</b>	<i>Governance structure/ institution</i>	2	In small companies, CEO-duality (the Chief Executive Officer (CEO) and chairman being the same person) decreases the probability of organizational failure. In small companies, the presence of external directors decreases the probability of organizational failure if their number is less than 50% of the board members. In, small companies, the high concentration of companies' shares in the hands of the owners, decreases the probability of organizational failure.
12	Dobbs, Boggs, Grünhagen, Palacios & Flight (2014)	<b>Time will tell interaction effects of franchising percentages and age on franchisor mortality rates.</b>	<i>Enterprise age</i>	2	The younger the company, the greater probability of organizational failure.
13	Dubrovski (2009)	<b>Management mistakes as causes of corporate crises: Managerial implications for countries in transition.</b>	<i>Manager</i>	1	Depending on the macro-economic situation the characteristics of the managers increases the probability of organizational failure.
14	Esteve-Pérez & Mañez-Castillejo (2008).	<b>The Resource-Based Theory of firm and firm survival.</b>	<i>Physical resources</i>	2	Companies with assets of specific goods decreases the probability of organizational failure. Companies with high production and high price-cost margins are less likely to experience organizational failure.
			<i>Enterprise age</i>	2	The younger the company, the greater probability of organizational failure.
			<i>Enterprise size</i>	2	The smaller the company, the greater probability of organizational failure.
15	Fackler, Schnabel, & Wagner, (2013).	<b>Establishment exits in Germany: the role of size and age.</b>	<i>Enterprise size</i>	2	The smaller the company, the greater probability of organizational failure.
			<i>Enterprise age</i>	2	The younger the company, the greater probability of organizational failure.
16	García-Ramos, Gonzalez-Alvarez & Nieto, (2017)	<b>Institutional framework and entrepreneurial failures.</b>	<i>Governance structure/ Institution</i>	2	Complex and/or bureaucratic institutions increase the probability of organizational failure.
			<i>Economic conditions</i>	3	The higher the taxes, the smaller probability of organizational failure.
			<i>Manager</i>	1	Having managers who fear failure decreases the probability of organizational failure.
17	Gémar Moniche & Morale, (2016).	<b>Survival analysis of the Spanish hotel industry.</b>	<i>Location (network)</i>	2	Companies (hotel) being located near to an international airport decreases the probability of organizational failure.
			<i>Manager</i>	1	Managers lacking skills increase the probability of organizational failure.
			<i>Economic conditions</i>	3	Economic crises increase the probability of organizational failure.
18	Gok, Deshpande, S., Deshpande, A. P., & Hunter, (2012)	<b>Comparing promoter and employee attributions for the causes of firms' failure: the case</b>	<i>Economic conditions</i>	3	Economic crises increase the probability of organizational failure.
			<i>Manager</i>	1	Managers with insufficient leadership and planning skills, increase the probability of organizational failure.
			<i>Competitors</i>	2	The greater the presence of new competitors, the greater the probability of organizational failure.

		<b>of Indian petrochemical company.</b>	<i>Government policies</i>	3	The more liberal the economy becomes the greater the probability of organizational failure.
			<i>Supplier relations</i>	2	The higher the cost of raw materials the greater the probability of organizational failure.
19	Hollow (2014)	<b>Strategic inertia, financial fragility and organizational failure: the case of the Birkbeck Bank, 1870 – 1911.</b>	<i>Manager</i>	1	Managers lacking skills to adapt to external change increases the probability of organizational failure
20	Kalnins (2016)	<b>Beyond Manhattan: localized competition and organizational failure in urban hotel markets throughout the United States. 2000 – 2014.</b>	<i>Enterprise size</i>	2	The bigger the company, the greater probability of organizational failure.
			<i>Location (network)</i>	2	Companies being located near to competitors, increases the probability of organizational failure.
21	Laitinen & Lukason (2014)	<b>Do firm failure processes differ across countries: evidence from Finland and Estonia.</b>	<i>Managers</i>	1	Managers lacking in skills increases the probability of organizational failure.
			<i>Economic conditions</i>	3	Economic crises increase the probability of failure to occur.
22	Mackie (2012)	<b>Bearing ‘the burden and heat of the day’: the experience failure in Douglas &amp; Grant Ltd.</b>	<i>Manager</i>	1	Very optimistic managers, with a lack of skills and a reluctant to share the knowledge, will increase the probability of organizational failure.
23	Madrid-Guijarro, García-Pérez-de-Lema & Van Auken, (2011).	<b>An analysis of non-financial factors associated with financial distress.</b>	<i>Customer relations</i>	2	The greater the bargain power of customer’s buyers, the greater the probability of organizational failure.
			<i>Competitors</i>	2	The greater the rivalry among firms, the greater the probability of organizational failure.
			<i>Physical resource</i>	2	The greater the technological capacity of the firm, the lower the probability of organizational failure.
			<i>Institution</i>	3	Presence of regulatory institutions decreases the probability of organizational failure.
			<i>Government policies</i>	3	Insufficient government policies increase the probability of organizational failure.
24	Maté-Sánchez-Val, López-Hernandez & Fuentes, (2018)	<b>Geographical factors and business failure: an empirical study from the Madrid metropolitan area.</b>	<i>Localization (network)</i>	2	Companies located near universities or research centers have less probability of organizational failure. Companies located near to others that have failed tend to have less probability of organizational failure.
25	Nilsson (2016)	<b>The influence of related and unrelated industry diversity on retail firm failure.</b>	<i>Location (network)</i>	2	Companies located near to competitors increases the probability of organizational failure. Companies located near to those of another industry, decrease the probability of organizational failure
26	Nummela, Saarenketo, & Loane, (2016)	<b>The dynamics of failure in international new ventures: a case study of Finnish and Irish software companies.</b>	<i>Manager</i>	1	Managers are more confident, the greater the probability of organizational failure.
			<i>Economic conditions</i>	3	Economic crises increase the probability of organizational failure
27	Oertel, Thommes, & Walgenbach, (2016).	<b>Organizational failure in the aftermath of radical institutional change.</b>	<i>Institution</i>	3	Institutions can affect the organizational failure either positively or negatively.
			<i>Manager</i>	1	Managers lacking skills to adapt to institutional changes increase the probability of organizational failure.
28			<i>Economic conditions</i>	3	Economic crises increase the probability of organizational failure. Countries that face difficulty in accessing credit, increase the probability of organizational failure.

	Pardo & Alfonso (2017)	<b>Applying ‘attribution theory’ to determine the factors that lead to the failure of entrepreneurial ventures in Colombia,</b>	<i>Manager</i>	1	The greater the presence of “inept” managers, the greater the probability of organizational failure.
			<i>Human resources</i>	2	Inadequate sales and promotion techniques lead to a greater probability of organizational failure. The greater the lack of training, the greater the probability that organizational failure will occur.
			<i>Supplier relations</i>	2	Existence of suppliers’ contractual problems, increases the likelihood of organizational failure.
			<i>Competitors</i>	2	The greater the presence of new competitors, the greater the probability of organizational failure.
29	Petković, Jäger & Sašić, (2016)	<b>Challenges of small and medium size companies at early stage of development: insights from Bosnia and Herzegovina.</b>	<i>Institution</i>	3	Complex institutions increase the probability of organizational failure
			<i>Human resources</i>	2	Employees who are lacking the skills to recover debt, increase the probability of organizational failure.
			<i>Economic conditions</i>	3	The higher the local tax, the greater the probability of organizational failure. Economic crises increase the probability of organizational failure. The greater the difficulty in accessing credit, the greater the probability of organizational failure.
30	Priego, Lizano & Madrid, (2014)	<b>Business failure: incidence of stakeholders’ behavior.</b>	<i>Shareholders relation</i>	2	The better the relationships with shareholders the lower the probability of organizational failure.
			<i>Human resource</i>	2	The more that employees are not motivated to generate value for the company, the greater the probability of organizational failure.
			<i>Economic conditions</i>	3	The more likely it is in the country for it to be difficult access to credit, the greater the probability of organizational failure.
			<i>Supplier relation</i>	1	The higher the cost of raw materials increases the probability of organizational failure.
31	Purves, Niblock & Sloan, (2016)	<b>Are organizations destined to fail?</b>	<i>Manager</i>	1	The more likely the presence of managers with few qualifications and experience, the greater the probability that organizational failure will occur.
32	Revilla, Pérez-Luño & Nieto, (2016)	<b>Does family involvement in management reduce the risk of business failure? The moderating role of entrepreneurial orientation.</b>	<i>Management structure</i>	1	Family-run businesses where family members’ presence is high in the daily management of a company, decrease the probability of organizational failure.
33	Safley (2009)	<b>Business failure and civil scandal in early modern Europe.</b>	<i>Competitors</i>	2	New competitors increase the probability of organizational failure.
			<i>Manager</i>	1	Managers lacking in skills increases the probability of organizational failure to occur.
			<i>Physical resources</i>	2	Companies lacking in resources to fulfill their contracts, increase the probability of organizational failure.
34	Santiago (2015)	<b>Inertia as inhibiting competitiveness in Philippine family business.</b>	<i>Manager</i>	1	Companies with authoritarian managers, have a greater probability of organizational failure. Managers without an innovational focus, increase the probability of organizational failure.
			<i>Succession</i>	2	Succession processes that are badly planned, increase the probability of organizational failure.
35	Van Scheers (2011)	<b>SME’s Marketing skills challenges in South Africa.</b>	<i>Human resources</i>	2	Companies whose salespeople have better sales skills, decrease the probability of organizational failure.
36	Vivel-Bua, Lado-Sestayo & Otero-González, (2016)	<b>Impact of location on the probability of default in the Spanish lodging industry: a study of MSMEs.</b>	<i>Financial resources</i>	2	The lower the profitability, the economic and financial balance sheet and the liquidity of the company, the greater the probability of organizational failure.
			<i>Enterprise age</i>	2	The younger the company, the greater the probability of organizational failure
			<i>Enterprise size</i>	2	The smaller the company, the greater probability of organizational failure.
37	White (2016)	<b>Small business bankruptcy.</b>	<i>Institution</i>	3	The existence of good bankruptcy legislation decreases the probability of organizational failure.

38	Williams (2016)	<b>Can neural networks predict business failure? Evidence from small hightech firms in the UK.</b>	<i>Financial resources</i>	2	The lower the retained earnings, the greater the probability of organizational failure.
			<i>Enterprise size</i>	2	The smaller the company, the greater the probability of organizational failure.
			<i>Location (network)</i>	2	Localities with low access to human capital will lead to a greater probability of organizational failure.
39	Wilson, Wright, & Altanlar, (2014)	<b>The survival of newly-incorporated companies and founding director characteristics.</b>	<i>Manager</i>	1	Experienced managers, with a great networking ability, and who have experienced insolvency in the past, decrease the probability of organizational failure to occur.
			<i>Human resources</i>	2	The presence of female managers, a high number of local directors and a low level of managerial turnover, decrease the probability of organizational failure
40	Wollebaek (2009)	<b>Survival in local voluntary associations.</b>	<i>Enterprise age</i>	2	The younger the company, the greater probability of organizational failure.
			<i>Enterprise size</i>	2	The smaller the company, the greater probability of organizational failure.
			<i>Economic conditions</i>	3	The higher the target consumer population, the less probability of organizational failure
			<i>Business structure</i>	2	The more centralized and formalized the company, the greater the probability of organizational failure.
41	Yonk, Harris, Martin, & Anderson, (2017)	<b>Exploring the case of The White Moustache: Entrepreneurship and regulatory capture on the milk products industry.</b>	<i>Institution</i>	3	Regulatory institutions can increase the probability of organizational failure

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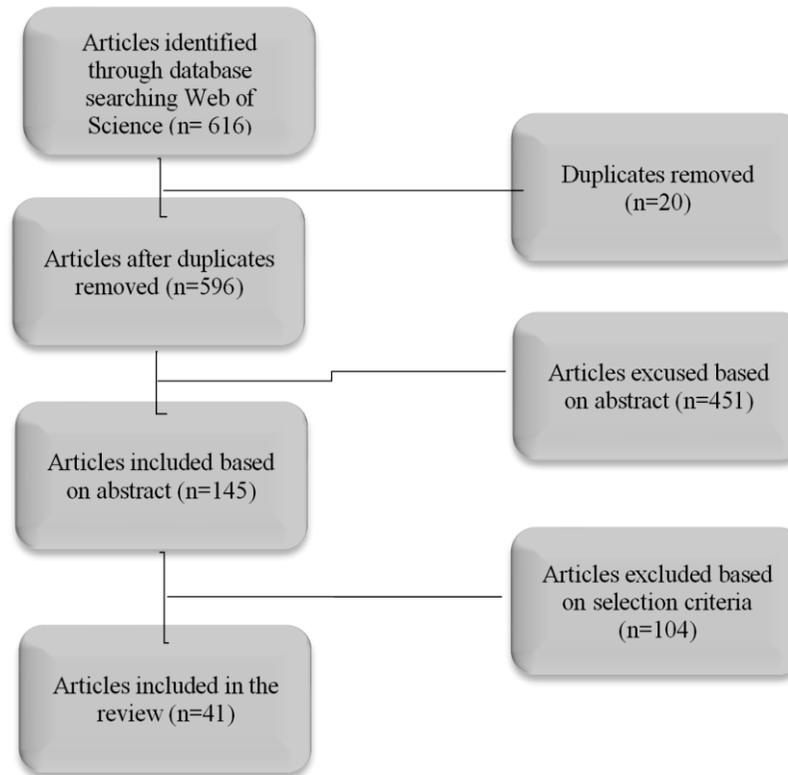
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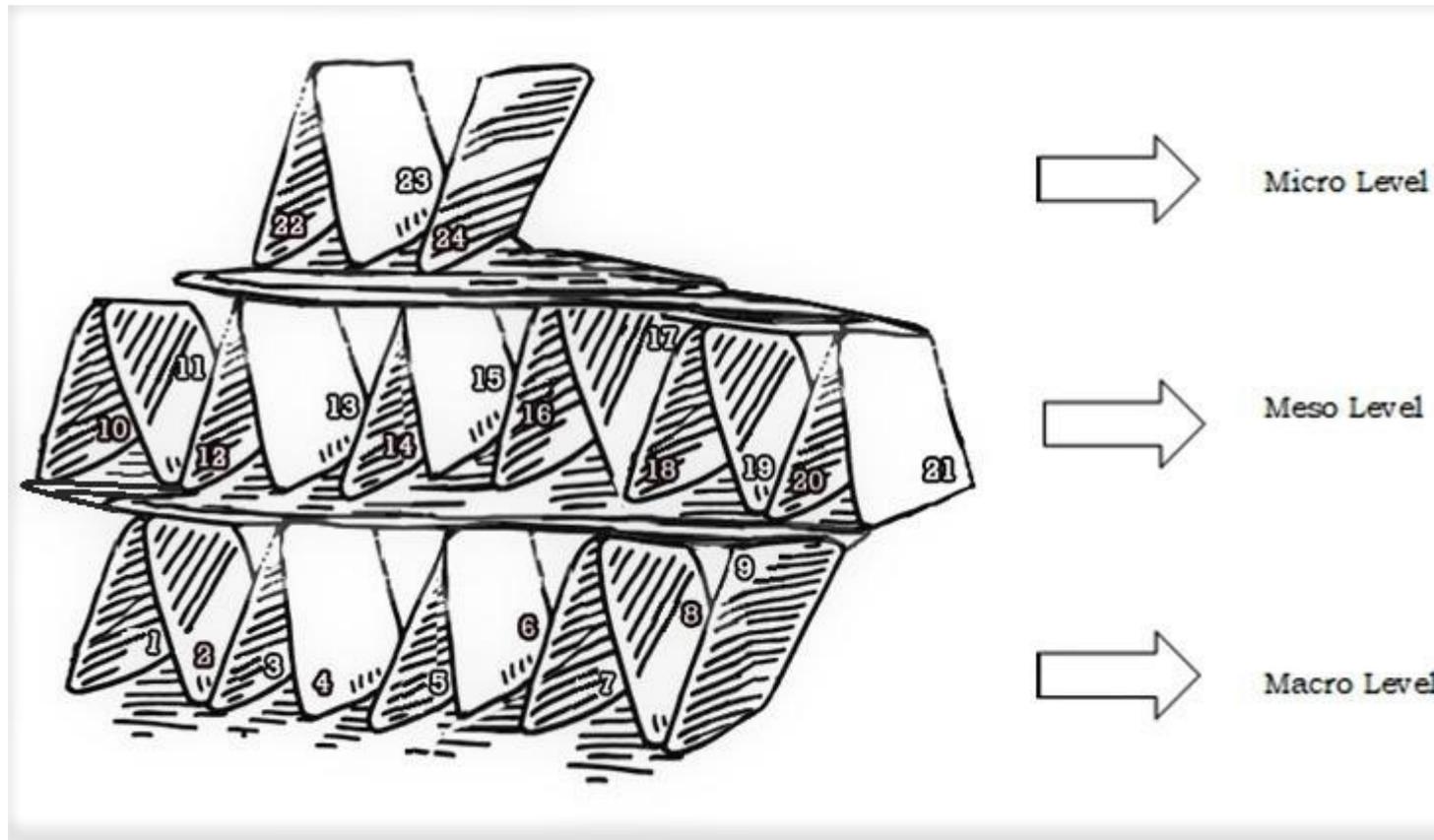
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**Figure 1:** Flow chart outlining approach for article selection



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**Figure 2: The "House of Cards Model" of organizational failure**

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1 Economic crisis 2 Unemployment 3 Interest rates 4 Taxation systems 5 Formal institutions 6 Public investment 7 Liberalization of economy 8 Competitors 9 Rumors

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10 Company age 11 Company size 12 Location (network) 13 Diversity in board composition 14 Hierarchy 15 Clients' relationship 16 Suppliers' relationship

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17 Shareholders' relationship 18 Financial resources 19 Physical resources 20 Human resources 21 Succession process 22 Managers' skills 23 Managers' characteristics

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24 Managers' actions and attitudes