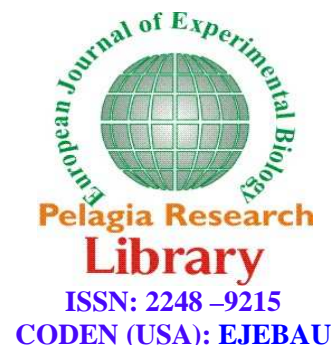




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## **Studied barriers to entrepreneurship in industrial companies (Case study: Iranian companies producing biotechnology products)**

**Ali Kazemi**

*Department of Management, Zarghan Branch, Islamic Azad University, Zarghan, Iran*

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### **ABSTRACT**

*Society changes so rapid that a deep impact on the success or failure of many companies is left behind. Today, companies that are bankrupt within a night scene is obliterated. Companies and governments have realized that a lot of entrepreneurs and private companies play in enhancing national competitiveness. Thus, they are named as the most important competitive advantage. Governments have come to the conclusion that economic success in national and international companies providing services and products they need to develop entrepreneurship. The main objective of the present study was to assess the level of entrepreneurship among managers and senior biotechnology companies, products and identify barriers affecting entrepreneurial development in the company. Correlation of descriptive and analytical methods to identify the factors affecting the dependent variable. Population and senior executives of companies producing biotechnology products. Questionnaire survey instrument based on research and development in the field of entrepreneurship. KMO and Bartlett's test data for the study was appropriate. According to the results, factors such as the main obstacles to the development of entrepreneurial companies, biotech products have been identified.*

**Keywords:** entrepreneurship, biotechnology companies products, Iran

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### **INTRODUCTION**

Global biotechnology market value of income for the year 2013 with a growth rate of 7/2 percent, and the rate of 7/305 billion is expected. Currently, biotechnology products and services with a share of about 38 percent, second only to the U.S. market, all products and services are available. Hope to solve the problem is most acute is the twenty-first century human. Biotechnology can grow in many branches of science in order to help us become better academic growth. Web-based or statistically valid SCI MAGO, which deals with the classification of countries and academic journals, in 2011, Iran ranked 14th among the 111 countries ranked in the biotechnology field. Development of biotechnology in the country to compete with foreign products, grow jobs, increase production and export will be supported by private and cooperative sectors.[2] Entrepreneurship from different perspectives, including economics, behavioral science specialists, scientists, management and ... Has been examined, the entrepreneurial roots of thinking, different level of analysis and perspective of those schools of economics, sociology, psychology, demography and management thinkers and ... A. Entrepreneurship development as a strategy for managing is considered as a new approach. Various approaches have appeared so far in the field of management, but shortly after the change have been gradual. Entrepreneurship; your life as a human, but it is in scientific circles

since the early eighteenth century. Since then, scholars have offered various definitions of entrepreneurship that have been described for each aspect of the subject. Among these thinkers, the importance of entrepreneurship to look at systematic theory of universe known as "Joseph Schumpeter's" explanation about the Business Cycle, defined by him, most researchers have agreed. Entrepreneurship in Schumpeter's main driving force of the engine is economical. This force appears only in the dynamics of the economy and its role in creating a new change (innovation) in the everyday composition is produced. [4],[1]

Entrepreneurship is one of the entrepreneur's personality dimensions, including: wills, risk taking, awareness and innovation. Entrepreneur is someone with a different motive, and with a specific purpose, after proper identification of new areas of production, the generation of income for other uses. According to the above definition, we can get a sense of entrepreneurship; job creation is not (but could be the key to solving the employment problem). [6],[11]

I'm not going to wait entrepreneur, but their employer is. He may not capital or labor, but labor as well as capital uses. He is not an artist, an inventor, or is not, however, being proper utilization of science, art and expertise to others. His expertise is in practice the most important decision of his movements, his will and determination of the decision. Entrepreneur is a creative person who is only looking for private profit but for profit in the position of investment. He is committed to certain values, hence honesty, trust, friendship and type of devotion; among moral entrepreneurs. So for people who break the law to use the rents and profits that even with abundant creativity, entrepreneur, do not call Individual profit without regard for others out ethos of entrepreneurship.[12]

When creating a personal inner power to define the ethical dimensions of the Fundamentals are inevitable socio-cultural aspects are more Color. Example is in the promotion of saw the risk of repency, happen of entrepreneurship, we can expect be in economic growth is limited.

Entrepreneurial culture, including the following elements:

- 1 - To support creativity and innovation;
- 2 - Develop a bold look, willingness and ability to manage risk;
- 3 - The belief in the possibility of change and improvement effort;
- 4 - The belief in the possibility of realities;
- 5 - To accept responsibility for decisions by decision makers;

In a society depends on entrepreneurial culture, the formation of entrepreneurial activity can be very sophisticated or simple. These activities can easily level a lifestyle firm, to develop a high-capacity, or the highest of its kind, the activity be entrepreneurial.

From the perspective of individual entrepreneurship can be divided into internal Entrepreneurship. Entrepreneurship within the organization is trying to modify an existing organization with the financial resources to pay the above while many individual entrepreneurs are looking to develop and create a new activity. Ask if the organization is always at the optimum point, the four factors of entrepreneurship; perform together to create office and the synergy.

Decision-making process for entrepreneurs, the means to decide to quit the current job and become an entrepreneur Formation requires an entrepreneurial movement three categories: the first category includes the necessary background for the formation of entrepreneurial resources such as talent; education .... These variables, background variables for call to decide entrepreneur.

The latter cause internal motivation to change that impression entrepreneur entrepreneurship movement can be good news (such as finding a partner or guide) or bad news (like working out) is. These variables and the variables driving the entrepreneurial process, and finally call the third category of reasons; resources and provide opportunities for movement and activate the variables are known.

These factors have led to the entrepreneurship as a "good idea" is brought to life When these three conditions come together, will form an entrepreneurial movement. Intensity and temperature of the first two groups have a more entrepreneurial drive of the third group is just as necessary. Because in certain cases, even in the absence of active variables and despite many obstacles in the way of entrepreneurship; variables are background strong, passionate entrepreneur can form a movement that is taking action to eliminate the barriers.

Training and development not only for the individual entrepreneur, the entrepreneurial culture will maximize utility and satisfaction, but is also appropriate for a wide range of social activities. Certain areas of activity include:

- 1 - Economic growth and social development: Schumpeter's theory, the most important factor in the economic cycle of boom; activity of entrepreneurs.
- 2 - Career: If entrepreneurship is a process of permanent and long term, we can expect that the role of entrepreneurs "creating jobs" and to play well.
- 3 - Linking science and the market today is still one of the best ways to optimize the use of market knowledge, development of entrepreneurship and entrepreneurial individuals within the organization.
- 4 - The development of ethics in business: Since the basic ethical principles of entrepreneurial activity are the development of social capital development, entrepreneurship, integrity, self-sacrifice and trust will be.

### **Barriers to entrepreneurship movement**

Said that the process of entrepreneurial income and creating something new and valuable to others through the production of factors associated with major financial risk tolerance and time. The same entrepreneurial spirit Independence with serious determination and accept responsibility for their decisions, the activity is.

#### **A) Barriers to entrepreneurship in the education and preparation**

- 1 - lack of higher education in Europe America; topics as the importance of entrepreneurship senior experts in all university courses, at least one entrepreneurship course as presents. But Iran - the most attention in recent years - is still important that the decision is not clear and is limited to courses outside the curriculum. Addition, training is also provided, in accordance with the policy the macro is not provided.
- 2-Hire. Hence the willingness of young people to career employees is perverse.
- 3 - Risk aversion: family, school and community in a way that most people, even the educated elite of the profession, the income will lead to a safe and risk-free.
- 4 - Wrong attitude to money: the money approved in Islam, as a "tool" for a better life, a culture shaped by the community right attitude towards money and the rich have always seen eye to Deception. So people are not looking to their own interests and not looking for ways to earn more income is correct.
- 5 - without regard to job training and empowerment: the family, the school and opportunities for entrepreneurial skills training, job training, which does not pay attention to the country

#### **B) Lack of motivation stage entrepreneurial activity**

Motivation is what causes a person to act as entrepreneurial activity, including behavior patterns, networks and emotional support network of people who support specific.

- 1 - Lack of proper behavior: the secret to being successful, dynamic individuals and entrepreneurs, and the lack of media coverage and attention to the success of these individuals for specific patterns of success, motivational of this not created.
- 2 - Lack of emotional support network not only family, school and community youth safe and without risk to the profession of income leads to an anti motivational entrepreneurial activity but also prevent their.
- 3 - Lack of technical support system: the public sector to the country's powerful state monopoly, since a strong and dynamic private sector in the economy has not. Therefore even for steps entrepreneurial activity, entrepreneurship has had some problems and mistakes and moving experience to come to the correct path.
- 4 - Ensuring Survival jobs: the state, the largest employer in the country's educated workforce frog. In addition, the government is trying to keep his workers. Purpose instead of having fired a position with his job change in other parts of the state to prevent the withdrawal of those forces. While withdrawing the troops from the mean log Private sector entrepreneurs are most likely to get them.

#### **C) Barriers to entrepreneurship in the mutant (resources and opportunities)**

Barriers in the country of departure motivated entrepreneurs and their activities are reduced. Some of these barriers include:

- 1 - State: unknown vibrant and evidence of success, and rumors that "due to the unique structure, the mobility of society has failed" causes individuals to make the government aware of all the opportunities. So do not try to look for opportunities virgin shall be governed by the spirit of static.
- 2 - Insecurity of private property rights: on the one hand, the notions that the state may act as expropriate other companies and too much government interference in the determination of wages. Price, Price capital; Rates and ..., makes people feel that they are not in possession of the product of their work.

3 - Law ineffective: the recent spread of the idea that "if you're a fraud complaint with a person USD 10 million; certainly your right, you'll come, but while you spend USD 15 million, five years in the corridors of justice If the commute. Eventhis thinking is incorrect; barrier to entrepreneurial activity.

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4 - Rents and discrimination: In the entire world there are rents. Economic analysis shows that in between, countries that have been able to convince people that social discrimination and effective rents campaign has achieved higher growth have. However, the religious orders and legal ignore this vital, social mobility has weakened the country. Rents are all over the world. Economic analysis shows that in between, countries that have been able to convince people that they are effective in combating discrimination and social, Rents, has achieved a higher growth said. However, the religious orders and legal ignore this vital, social mobility has weakened the country.[12]

Knowledge management and entrepreneurial companies in the fast world of today, it is a good opportunity for companies that are well known and are used. However, a serious threat to environmental changes at companies that do not pay attention and take it. In the literature on entrepreneurship, found that aspects of entrepreneurial (risk-taking and innovation) has a positive impact on organizational performance. For example, coin and Slevin (1991) in their research that has been done to achieve such an outcome. Coin and milz (1999) also found high levels of entrepreneurial organizations, their immediate environment to monitor the environment to uncover new opportunities and to increase their competitive abilities. This aspect of entrepreneurial (risk-taking and innovation), achieve information from the immediate positive impact on entrepreneurs. Distribute, and transmit.[6],[13]

Corporate entrepreneurship is a process in which products or processes through induced innovation and entrepreneurial culture in an already established company, it emerged. Formation of entrepreneurial activity, entrepreneurial companies the firm's most notable landmarks. Today entrepreneurship to achieve wealth, prosperity and employment in general has become inevitable for developing countries.[7]

Lack of trust among employees is one of the main barriers to knowledge transfer and entrepreneurial orientation. Increase the exchange of knowledge and mutual trust is entrepreneurship. Trust in cross-functional and inter-company systems is also an important factor. Withhold the information because it will cause serious damage to people's knowledge. [8]

When unforeseen issues facing companies need to build a variety of structures and processes. Decrease is recognized for innovation. Loss recognition, a variety of new ideas and encourage entrepreneurial behavior. [9] There are also informal interactions and contribute to the creation and transfer of knowledge. Recognition of the loss of communication and interaction that is essential for knowledge creation. Low recognition of the company's structure allows members to interact and communicate with the creation and transfer of knowledge. [5],[3]

Probst and colleagues during the study, a conceptual model has been developed for innovation. The model consists of two dimensions is essential. After the first major operational processes (identification, knowledge acquisition, knowledge development, knowledge dissemination and knowledge sharing) and second major strategic processes (learning objectives, assessment of knowledge). [10]

## MATERIALS AND METHODS

This study is a type of applied research. The research method was descriptive survey. In descriptive research the researcher seeks to describe and explain how the issue is investigated. In this way, by studying the library field methods and data collection is obtained by percentage, frequency, mean and variance are described. In this research, biotechnology companies and products were selected for the study. The company's senior management and, as a society, have been considered statistically selected sample of 70 audience. In order to validate the research instrument, a panel of experts is used. Then, using the results of the questionnaires and collect opinions of experts and professionals, we modified the questionnaire. The next step is to modify the number of questionnaires completed using a number of audience research and feedback on the content and length of the questionnaire. To determine the reliability of the questionnaire, beginning the company has completed copies of the questionnaire, the SPSS software using Cronbach's coefficient alpha reliability of the questionnaire was evaluated. The reliability of the questionnaire results are within acceptable limits.

## RESULTS

First, CEO characteristics, and then describe the inferential statistics is discussed. The survey results showed that about 85 percent of the executives surveyed in terms of education, 15 percent of undergraduate and graduate education were to enjoy.

The results obtained showed that the statistical record of community service, 30% in group 1 to 10 years, 20% in the group 10 to 15 years, 20% were 15 to 20 years, 14% at 20 to 25 year, 16 percent of 25 to 31 years have been.

The determining factor was used to examine barriers to entrepreneurship. This study evaluated the relationship between variables in the correlation matrix. In order to assess the suitability of the data for Bartlett test (KMO) was used. The results show that the data for the appropriate study are.

|            |                                    |
|------------|------------------------------------|
| KMO= 0/671 | (Sig=0/000, Bartlett test= 479/45) |
|------------|------------------------------------|

The Eigen value estimates and Scree Test Criterion, the number of significant factors which can be used to analyze and interpret the five factors with eigen values greater than 1 are expressed which 2/71% of the total variance is explained. The five factors are:

**First factor:** Joe barriers of mistrust, perceptions of poor and non-poor relations firms encourage employees

**The second factor:** barriers due to lack of interest and cooperation, and cultural isolation and lack of business skills

**The third factor:** the lack of support and lack of entrepreneurship firms believe

**The fourth factor:** the lack of compliance with the corporate structure and lack of entrepreneurship and knowledge management incentive mechanisms

**The fifth factor:** the only place on the following hardware and entrepreneurial culture

Table4. Factor analysis of the eigenvalue

| Cumulative percent | Percent especially amount | especially amount | Factor |
|--------------------|---------------------------|-------------------|--------|
| 22/7               | 23/7                      | 3/01              | 1      |
| 44/2               | 19/5                      | 4/68              | 2      |
| 51/2               | 12/9                      | 2/10              | 3      |
| 59/5               | 7/6                       | 2/00              | 4      |
| 71/2               | 8/9                       | 1/55              | 5      |

## CONCLUSION

Based on the results of the study indicated that 5 factors explained a total of 2/71% represents variables barriers of entrepreneurship. If the policies and programs of the five factors should be considered to be largely believed that barriers to entrepreneurship will be removed. And the need to promote a culture of innovation and risk-taking will be provided. Nowadays, there is nobody in the scientific community to the importance of biotechnology and nanotechnology and its impact on various fields of knowledge is not. Knowledge that has driven the development of

many countries and cause immense upheaval in the department of medicine, pharmacy, agriculture, industry, mining, etc., is. The world population is growing with incredible speed, which is estimated by 2013 the world population will reach 7 billion people. Certainly one of the most important problems in the future human needs executive officers will be in developing countries. In view of the importance of entrepreneurship in the development community have prompted many scholars to be a theoretically based and successful experience in a number of countries, past and present, the role of entrepreneurs in the actual development process are discussed. Society. But creativity can be embodied in a special environment.[2] The environment of the two angles must be taken into consideration. First the economic structure of society. It is the policy of economic freedom and the mechanism that drives the market or command economy is dominant? Much of the industry's small manufacturers who form the majority of the workshops. Food and textile industries, which are most associated with agricultural work. The high degree of specialization of labor, but they are young or recession boom among small breeders partly depends on the policies of the government. Entrepreneur should not face barriers to non. Entrepreneurs should be involved in the government bureaucracy. Entrepreneurs must understand future market conditions is determined solely based on its mechanism. Since the Islamic Revolution in Iran during the turbulent period of the war and its own rules to follow. Monetary policy, exchange controls, pricing of goods and Typically, in a society that is faced with war and revolution can be seen. But the course of history shows that the involvement of one such intervention in the foreign exchange control policies, bureaucratic and change the exchange rate in terms of pricing ... The inability to continue. [12]

Appropriate action is taken in this regard. The ministry plans to develop entrepreneurship in the form of low-interest loans will help. Office of Information Technology in collaboration with the president launched a "network of venture capital funds" can make financial information available to the entrepreneurs.

However, unfortunately, still the country's banking system to provide credit for small businesses and entrepreneurship policies are not coordinated.

- \* Policy development and technology transfer
- \* Facilitate the export and import
- \* The role of government information

## REFERENCES

- [1] Aldrich, H., & Fiol, M. (1994). *Academy of Management Review*, 19(4), 645-670
- [2] Ali Asghar Negahdary et al, *Euro. J. Exp. Bio.*, 2013, 3(1):364-370
- [3] Albert Shapero, *Entrepreneurship and Economic Development* (wiscosin: profet ISEED, LTD. The center for venture management summer 1997) P. 187.
- [4] Amaneyezhad, M., creating the appropriate organizational structure, the organizational development, *Management*, Number 89, 90 November, 2004
- [5] A.G., A. and R. Veisi, entrepreneurial culture *Organizational management journal*, No. 188, January 2007
- [6] coin, esloin, (1991) "Employee Involvement & HRM in organizations of candad
- [7] Ellmeier, A. (2003), *International Journal of Cultural Policy*, Vol. 9 No. 1, pp. 3-16.
- [8] Lee, H. and Choi, B. *Knowledge Management Journal*, Vol. 17, No. Z, April- June 2004, pp. 22-37.
- [9] Liedtka, J. (1999). *Journal of Management Inquiry*, 8, 1, pp. 5-16.
- [10] Probst, G., Raub, S., Romhardt, K. (2001). *Managing Knowledge- Building. Blocks for Success*, Wiley: Chichester.
- [11] Robert C. Ronstodt, *Entrepreneurship loover*, MA: lord publishi (co. 1984), P. 28.
- [12] Shah Hosseini, M., *Entrepreneurship in Iran*, publisher Shayegan, 2006
- [13] coin, milz, (1999), "Developing people foe real management Decision"