Role of traditional Islamic and Arabic plants in treatment of fever

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Abstract: The present work accentuates the use of traditional Islamic and Arabic plants used for the treatment of fever. The main purpose of the present study is to highlight the medicinal importance of Arabic and Islamic Plants for the Treatment of fever. Islamic and Arabic plants were selected and identified through different literature survey plant database sites like “Google scholar”, “web of science”, “PubMed”, “Research gate”. Information on botanical names, Arabic and Islamic names, plant part used and ailment treated were extracted from the publications and were pooled together. The Present work about the Arabic and Islamic plants highlights the medicinal importance of Arabic and Islamic plants for the treatment of fever. There is a broad list of Islamic and Arabic plants used for the treatment of fever as mentioned in the present article. Each plant has been examined for role in the treatment of fever. This review strongly supports the fact that Arabic and Islamic traditional plants have emerged a good source of complementary and alternative medicine in the treatment of fever. These Arabic and Islamic plants are used in different systems of medicine across the world. Traditional Arab-Islamic medical system suggests that these plants are widely used in Arab countries for the treatment of fever without having any side effects. Different parts of different Arabic and Islamic plants are used in different forms for the treatment of fever.

Keywords: Islamic and Arabic plants - Hadith - Ethno-medicinal plants - Fever.

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INTRODUCTION

Islamic teachings show different methods for the treatment of several diseases through medicinal plants. Since from the time of Hazrat Adam Aliehisalam to the time of Hazrat Mohammad sallaho aliehi wasalam many plants were used for the treatment of several diseases in the Islamic medicine, and this Islamic medicine system is still continued throughout the world (Nasr 1976). All the plants used in the Islamic medicine system are mentioned in the Holy Quran in different surah I-e Al- Rehman, Al-Baqarah and Al-Moominoon and many other surahs (Ahmad et al. 2009). Hazrat Mohammad saw used and recommended several medicinal plants for various ailments and food (Wani et al. 2011). Since the second century of Hijra, the history of Islamic medicine starts. The famous book “Tib-e-Nabi” was written by Abdul Malik Bin Habib Undlesi in second century. Mohammad Bin Abu Bakar, Ibn Ulsani and Abu Naem Isphani complied their books on the same topics in the third century of Hijra. In the fourth century few other important books were written like Alnabvi fee Mannafal Makalat by Abdul Razzaq Altanki. Some of the best books on Islamic Literature that are still available are Kanzulamal Fee Sanan Walakwal. Arabic and Islamic medicinal plants play a diagnostic role as a source of drug for the treatment of many diseases.

Now a day there is growing awareness to encourage production of indigenous plants and their processing of plants used in different cultures and religions (Yari et al. 2011). The role of traditional medicine has gained strength across globe from last decades (Ahmad et al. 2009). World Health Organization defined traditional medicine as “the total of knowledge, practices and skills based on theories, beliefs and indigenous experiences to different cultures where explicable or not, which are used in the maintenance of health as well as in the prevention, diagnosis, treatment of physical and mental illness (Ahmad et al. 2009). Arab and Islamic medical system is a high spirited, conversational and curative system of traditional medicine practiced in the Arabian countries and is a most trusted system of medicine among whole Muslim community all over the world.
The history of the traditional Arabic-Islamic medicine dates from the seventh to fifteenth century, which was the golden time of Arabo Islamic civilisation (AlBarik et al. 2008). Since the Muslim community across the globe have true faith on Arab medicine, therefore the exploration of Arab and Islamic medicinal plants that are used for the treatment of different ailments is need of the present era (Ahmad et al. 2009). In the present time people across the globe prefer traditional and indigenous medicine over other systems of medicine (Shefer-Mossensohn 2009). Arabian territory is very rich in vegetation; the presence of several medicinal plants pushes Doctors, Hakims, Pharmacists and professionals to find the medicinal use of Arabic and Islamic plants (Koshak et al. 2012). As-Saydanah Fit-Tib written by Al Biruni is the most important book on Arabic and Islamic medicine which is available in the present time. The famous Arabic Botanist Ibn al-Baytar plays a significant role in the exploration of Arabic and Islamic medicine (Azarpour et al. 2014). Since the medicinal property is the most important use of plants. The real contribution towards the use of medicinal plants by Muslims starts during the end of Abbasid time (Sajadi et al. 2012). Some of the most famous Islamic scholars who worked on medicinal botany are Abu Hanifah Ahmad Ibn Dawad Dinawari, Ibn Jaljul, Ibn Samjun, Ibn Al-Wafid, Ibn-Ghafiqi, Ibn-Idrisi, Al-Qalanisi, Ibn-al Baytar, Ibn-Sirabiyun and Ibn al-Suri (Azaizeh et al. 2003).

What is Fever?

In Arabic, fever is called as Hama, when the body temperature of human increases randomly we call a person is suffered from fever. In fever the body temperature rise above 36–37 degree centigrade (98–100 Fahrenheit). There are several symptoms of fever like lack of appetite, shivering, depression etc (Saad & Said 2011). There are several types of fever that are harmful cause different other diseases in human beings. Malarial fever is considered one of the main important fevers in our country.

Importance of plants

Plants play a vital role in the earth’s maintenance. Apart from food humans get several other products from plants like timber, firewood, dyes, oils, pesticides and the most important thing which we are getting from plants is medicine (Umadevi et al. 2013, Mehra et al. 2014, Ichoron et al. 2019). It is believed that 74% of drugs are isolated from plants, 18% are from fungi, 5% and 3% from bacteria and other vertebrates respectively (WHO 2003). Plants are used in different systems of medicines like Ayurvedic, Unani, Homoeopathy, Siddha and many other systems of medicine all over the world (Sen & Behera 2016, Srivastava & Shukla 2018, Gadhvi & Modi 2019). Several drugs are extracted from plants that are used for the treatment of different diseases. There are several plants across the globe which is used for the treatment of fever by different traditional and indigenous people. Arabic and Islamic traditional medicinal system also uses some plants for the treatment of fever (Saad & Said 2011).

Importance of Arabic and Islamic plants

Globally fever is increasing day by day and every year a high percentage of deaths are caused by this disease across the globe, especially in developing countries. In India fever is considered one of the fatal diseases (Simon et al. 1984). The more attention of the Researchers and scientists in the present era is towards the herbal medicine for the treatment of several diseases like a fever. There are several systems of medicines for the treatment of fever besides the herbal system but majority of the systems are causing side effects to the patients. This causing of side effects compels present scientists to work on herbal medicine for the treatment of several diseases. More interest of people globally especially Muslim community towards the Arabic and Islamic medicine is because of several factors viz., religious beliefs, this system is safe and affordable, the drugs of this system contain a rich diversity of biologically active compounds, this system does not harm immune system of the patient (Sajadi et al. 2012) several parts of Arabic and Islamic plants like seeds, leaves, roots, branches, fruits shows direct and effective anti-fever effects (Ahmad et al. 2009). Traditional Arabic and Islamic medicine prove an effective source of new drug discovery. It is believed that more than 50 % of modern drugs are herbal based (Pan et al. 2013). All Arabic and Islamic plants possess a large number of chemo preventive effects within their pharmacological effects.

Searching Facts

For the literature survey, several data bases like PubMed, Science Direct, Research gate, Web of science, Google scholar are used. The related papers were downloading by using the free access portal of Jiwaji University Gwalior. The most used keywords for the literature survey were as,

1. Arabic and Islamic Plants
2. Plants Mentioned in Holy Quran
RESULTS

On the basis of review literature, a list of Arabic and Islamic medicinal plants was prepared (Table 1).

Table 1. List of Arabic and Islamic plants for the treatment of fever with references.

<table>
<thead>
<tr>
<th>S.N.</th>
<th>Botanical name</th>
<th>English name</th>
<th>Arabic Name</th>
<th>Family</th>
<th>Part Used</th>
<th>Quran/Hadith</th>
<th>References</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Allium cepa L.</td>
<td>Onion</td>
<td>Basal</td>
<td>Alliaceae</td>
<td>Bulb, leaves and seeds</td>
<td>AL QURAN surah no 2, Al-Baqarah Ayah no 61</td>
<td>Nasr (1976)</td>
</tr>
<tr>
<td>2</td>
<td>Allium sativum L.</td>
<td>Garlic</td>
<td>Soom, Foom</td>
<td>Alliaceae</td>
<td>Bulb and oil</td>
<td>AL QURAN SUrah NO 2 al Baqarah, AYAH NO 61</td>
<td>Ahmad et al. (2009)</td>
</tr>
<tr>
<td>3</td>
<td>Cinamoumon camphor L.</td>
<td>Camphor</td>
<td>Caphor</td>
<td>Lauraceae</td>
<td>Leaf and branches</td>
<td>Al Quran Surah no 76, Ad-Dahr, Ayah 5-6</td>
<td>Wani et al. (2011)</td>
</tr>
<tr>
<td>4</td>
<td>Cucumis Sativus L.</td>
<td>Cucumber</td>
<td>Qiththa</td>
<td>Cucurbitaceae</td>
<td>fruit, seed and oil seeds</td>
<td>Al Quran Surah no 2 Al Baqarah, Ayah no 61</td>
<td>Yari et al. (2011)</td>
</tr>
<tr>
<td>5</td>
<td>Cucurbita pepo L.</td>
<td>Pumpkin</td>
<td>Yakteen, Daba</td>
<td>Cucurbitaceae</td>
<td>Fruit, Seeds, Root, Oil seeds and Leaf</td>
<td>Al Quran Surah no 4. AL NAHL, Ayah 145-148</td>
<td>Ahmad et al. (2009)</td>
</tr>
<tr>
<td>6</td>
<td>Ficus Carica L.</td>
<td>Fig</td>
<td>Teen</td>
<td>Moraceae</td>
<td>Dried fruit</td>
<td>Al Quran Surah no 95, At-tin, Ayah no 1-8</td>
<td>Azaiezeh et al. (2006)</td>
</tr>
<tr>
<td>7</td>
<td>Hordeum vulgare L.</td>
<td>Barley</td>
<td>Shair</td>
<td>Poaceae</td>
<td>Fruit</td>
<td>Sahi Bukhari 7:71:593</td>
<td>ALBARIK et al. (2008)</td>
</tr>
<tr>
<td>8</td>
<td>Indigofera tinctoria L.</td>
<td>Indigo</td>
<td>Kutum / Wasma</td>
<td>Fabaceae</td>
<td></td>
<td>Sahi Bukhari</td>
<td>Shefer-Mossensohn (2009)</td>
</tr>
<tr>
<td>9</td>
<td>Lagenaria sicevaria L.</td>
<td>Squash</td>
<td>Yakteen</td>
<td>Cucurbitaceae</td>
<td>Fruit and leaves</td>
<td>AL Quran Surah no 37, As-saffat, Ayah no 146</td>
<td>Koshak et al. (2012)</td>
</tr>
<tr>
<td>10</td>
<td>Lawsonia inermis L.</td>
<td>Hinna</td>
<td>Kutur</td>
<td>Lythraceae</td>
<td>Leaves, Branches and Flowers</td>
<td>AL QURAN, Surah no 5 al Maidah Ayah no 5</td>
<td>Umadevi et al. (2013)</td>
</tr>
<tr>
<td>13</td>
<td>Ocimum basilicum Bent.</td>
<td>Basil</td>
<td>Rehan</td>
<td>Lamiaceae</td>
<td>Leaves and seeds</td>
<td>AL-Quran Surah no 55, Ar-Rehman Ayah no 10-13</td>
<td>Ahmad et al. (2009)</td>
</tr>
<tr>
<td>14</td>
<td>Olea europaea L.</td>
<td>Olive</td>
<td>Zaitun</td>
<td>Oleaceae</td>
<td>Infusion of leaves</td>
<td>All Quran Surah no 6, Al-Anam, Ayah 99, 41; Surah 16, An-Nahl, Ayah 11</td>
<td>Azaiiezeh et al. 2003</td>
</tr>
<tr>
<td>15</td>
<td>Phoenix dactylifera L.</td>
<td>Edible Date</td>
<td>Nahal, Balah, Tammar, Ratab</td>
<td>Arecaeeae</td>
<td>Roots, Flower and Fruits</td>
<td>AL-Quran Surah no 13, AR-RAAD, Ayah no 4. AL-Quran Surah no 16, An-Nahal Ayah no 11 and 69</td>
<td>Sajadi et al. (2012)</td>
</tr>
<tr>
<td>16</td>
<td>Pistacia terebinthus L.</td>
<td>Terebinth</td>
<td>Batm</td>
<td>Anacardiaceae</td>
<td>Resin</td>
<td>Tirmizi</td>
<td>Yari et al. (2011)</td>
</tr>
</tbody>
</table>
DISCUSSION

Holy Quran is the best reference book that describes the importance of plants for the treatment of several diseases in various surahs. Prophet Mohammad s.a.w also used and suggested several plants for the treatment of different diseases. Because of the lack of scientific means in the past mankind was unable to study some important data which is written in the verses of Holy Quran and in the present tie these verses of Holy Quran which deals with some natural phenomenon has well explained, therefore Quranic knowledge gives best understanding of use of Arabic and Islamic plants for the treatment of different diseases including this fatal fever (Al-Rawi & Fetters 2012). The above-mentioned plants are mentioned in the Holy Quran, Prophet Mohammad s.a.w uses and recommended these plants for the treatment of fever (Aslam & Ahmad 2016). In some developing countries like India, the benefit of modern medicine hardly reaches to a little number of people (Ahmad et al. 2009). In these countries, several tribal people use their traditional systems of medicine for the treatment of diseases (FSTC Research Team 2010). Muslims in these countries have true faith on Arabic and Islamic system of medicine and they are following this system for the treatment of several diseases (Nasr 1976). Parts of the above-mentioned plants like roots, branches, seeds, fruits and oils are directly used for the treatment of fever. Arabic and Islamic system of medicine is free of side effects (Ahmad et al. 2009). The above-mentioned plants contain a large number of biologically active components which have their effect against the fever (Yari et al. 2011). Arabic and Islamic system of medicine is practiced all over the world especially in Muslim countries. Muslims across the globe blindly follow and use that plant which is mentioned in Holy Quran or Which is used or recommended by Prophet Mohammad s.a.w for the treatment of several ailments (Douglas & Jean 2016). In comparison to other systems of medicines Arabic and Islamic system of medicine is much effective and is practiced by a majority of people all over the world (Sajadi et al. 2012).

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