

## ASEXUAL REPRODUCTION IN HERMAPHRODITE HUMANS, ANIMALS AND PLANTS CLICKS THE IDEA OF NEW INDEPENDENT SEX EVOLUTION: PRACTICALLY PROVED BY THE FIELD STUDY

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### ABSTRACT

In the present work, two examples from the animals *i.e.* *Metridium senile* Linnaeus & *Hydra vulgaris* Pallas, the most primitive multicellular animals from phylum coelenterata which give rise to another individual/clone by Natural Method of Propagation (NMP), through budding process asexually. The other two examples from succulent plants *Kalanchoe daigremontiana* & *Bryophyllum daigremontianum* have also been studied for the same purpose and these plants also give rise to a complete plantlet/miniature/clone with complete root and shoot system by the same NMP, through budding process, asexually. These examples may be practiced and experienced on scientific grounds to understand the possible method/process/ phenomenon for evolving Hazrat Bibi Hawwa (Radiyallaho Taala Anha) from Hazrat Aadam (Alaihis Salam). The example from the animals *i.e.*, *Metridium* & *Hydra* and the plants *i.e.*, *K. daigremontiana* and *B. daigremontianum* have been presented by describing their reproduction through Natural Method of Propagation (NMP) by means of budding, asexually. In these four examples only a pre-existing single individual (animal/plant) is required to reproduce the other individual/plantlet/clone. This NMP by means of budding in spite of the meiosis cells (in reproductive organs only) uses the mitotic/somatic cells *i.e.* body cells. This type of reproduction, from the somatic cells is now referred as the natural cloning in the modern scientific term. This method may reflect the idea for Hazrat Bibi Hawwa (Eve) Radiyallaho Taala Anha who was evolved/originated from the body of Hazrat Aadam (Alaihis Salam) (♂) as the second human (♀) to make a pair level of human by nature. This is proposed as Aadam's Creation Theory for Human Evolution. And then countless men and women were spread through this pair as stated in Holy Qur'an, Hadeeth of Mishkat & Bukhari Shareef and proved by science through the Single Origin Model for Modern Human Origin. On the other hand, an identical male (hermaphrodite), *Carica papaya* having XXY = XYh chromosomes gave rise to female sex papaya plant, having XX chromosomes, concluded after three years (2011-2013) of field study on papaya plant. This is the first report in the world of propagation of female sex from an identical male sex. Papaya is thought to be having virtually, the same type of chromosomes as the humans have. The humans have been found with extra X-chromosome in male sex in ratio of 1/1000 male babies, having XXY and they are found normal, fertile & identical to pure males. The universal evidence of asexual reproduction in humans may be given from Hazrat Bibi Maryum, having XXY chromosome (hermaphrodite) female, she gave birth to a male child, Hazrat Issa / Eessa without fertilization *i.e.*, asexually, because a pure female with XX-chromosome cannot give rise to a male, having XY chromosome, due to unavailability of Y-chromosome.

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### INTRODUCTION

Hermaphrodite animals and plants are those organisms which contain both male and female characters in a same individual having XXY = XYh chromosome in them. The hermaphrodite organisms have usually an extra X-chromosome in them such as XXY Pentatomid, Rebagliati *et al.*, (2005), XXY Echidna Na *et al.*, (2012), XXY Papaya, Tariq (2011a) and XXY humans are identical to pure male (on line information 2013). All mono sexual, having male and female flower separate but in the same plant *e.g.*, maize, pumpkin, bitter gourd and all cucurbits, bisexual plants are those which have united male and female flower (bisexual) on the same plant *e.g.*, mango, custard apple, guava *i.e.*, the all families of monocotyledons and dicotyledons are hermaphrodite in basic nature, which have evolved from hermaphrodite ancestors.

Human is a par excellence creature on the surface of earth. He has dominated all the rest creatures present on this planet. Since the 1<sup>st</sup> day of human existence the population of human beings is continuously increasing. Humans are inventing a new invention, in every new coming day. The approach of human is spreading and increasing from earth to other planets, but Allas! Some of the human wants to insult and degrade the status of humans by enforcing misconceptions, misguidance, miss-experimental data, wrong ideas, telling lie, diverting researcher in negative direction by misusing the name of science, whereas the science is a source, truly based on real experimental and practical data, providing true and authentic information for the betterness of humanity. It is the duty of an individual/scientist that how he/she make the use of its knowledge/invention. Such as pistol has been invented for the security of human being, but if the same pistol, someone uses for the killing of another innocent person, then it is not the fault of pistol but the fault of user and the method of use. Similarly the science is being used for the betterness for humans so much so that it has become the backbone of human beings. On the other hand the same science is also being used by someone for cheating, misguiding, devaluing and degrading the status and dignity of human beings. Those all scientists, researchers and workers who are involved in this scientific lie, are not human beings in reality. In this connection one example for instance may

be presented here is the case of “Human Evolution”, a lot of papers are present on different websites in different scientific journals and books *e.g.* Kimball (1977), Mader (1987). The general extract of these publications, journals and books is “The human evolved from the apes”, but Yahya (2001), Benton (2005) and Behe (2006) have strongly not only criticized this concept but also they have proved this concept, invalid and unscientific, in their books, separately. The other common concept is “The Eve hypothesis”, which means all humanity evolved from Eve. Now the question, arise about the origin of Eve? Because the modern age is the age of science and genetics is that branch of science which can solve this problem on scientific grounds with scientific modern evidences. Therefore, in the present work, the same problem has been discussed in the light of genetics. The asexual (Budding) reproduction of *M. senile* and *H. vulgaris* and *K. daigremontiana* & *B. daigremontianum* have been taken as the example, on which the base line of the idea has been constructed and explained. These are the examples of living multi-cellular animals and angiospermic plants which also reproduce by an asexual method of budding. The same kind of asexual reproduction might have happened for the 2<sup>nd</sup> human (♀), Hazrat Bibi Hawwa (Radiyallaho Taala Anha) from the pre-existing 1<sup>st</sup> human (♂), Hazrat Aadam (Alaihis Salam). AC-Theory for Human Evolution is not only the reflection of pondering upon three verses of Surah 4, 49 & 71 of the Holy Qur’an which is the most reliable book in the world (Bucaille, 2001), but also a Hadeeth of the Holy Prophet Sallallahu Alai-Hay-Wa-Aalayhi-Wasallam that Indeed the woman (Eve) was grown (evolved) from the rib of (Man) Hazrat Aadam (All agreed), Narrated by Hazrat Abu Huraira Radiyallaho Taala Anho, cited in Saheeh Bukhari Shareef & Saheeh Mishkat Shareef, and also proved by science through the Single Origin Model for Modern Human Origin (Benton, 2005)

Therefore keeping in mind the Qur’anic verse “And Allah hath caused you (Humans) to grow as a growth of plants from the earth” (Al-Nooh), both animals (*Metridium* & *Hydra*) and both plants (*K. daigremontiana* & *B. daigremontianum*) have been taken into consideration for the same purpose that How the Eve might had grown/evolved/originated/created from the body of Hazrat Aadam (Alaihis Salam) by NMP, through budding like phenomenon asexually. In this process hard part of the body, the skeleton (soft cartilaginous floating rib) took part in the growth of Hazrat Bibi Hawwa (Radiyallaho Taala Anha) from Hazrat Aadam (Alaihis Salam), as xylem, phloem & veins in plants and ectoderm, mesoderm and endoderm in *Hydra* & *Metridium*. They (above plants & animals) give rise to new individuals by somatic cells as well. This may also be considered true for origination/creation/evolution of Hazrat Bibi Hawwa (Radiyallaho Taala Anha) from the body of Hazrat Aadam (Alaihis Salam) asexually in the beginning before pairation of these two humans, because usually most of the livings have more than one method for their propagation, for example sexual and asexual method of propagation for any plant or animal, such as date palm tree is grown from seed sexually but may be grown from suckers/babies asexually and human reproduced from zygote sexually but may be grown asexually *i.e.* birth of Hazrat Issa Alaihis Salam from Hazrat Bibi Maryum Radiyallaho Taala Anha and from the somatic cells *i.e.* cloning of humans as the Dolly (sheep, class: mammalia) was cloned from somatic cells in 1996.

## MATERIALS AND METHODS

Four specimens of animals and plant (2+2), were selected for the study of Natural Method of Propagation (NMP) Dutta (1972). The most primitive multicellular animal *M. senile* Linnaeus commonly called as sea anemone and *H. vulgaris* Pallas (Annandale, 1911) from the phylum coelenterata reproduced by NMP through budding process asexually from the pre-existing animal. In this process only one individual of *Metridium* and *Hydra* was required to reproduce the other member of its species, the *Metridium* and *Hydra*. The speed of increasing population of *Metridium* and *Hydra* was increasing with the passage of time. The different NMP stages were also studied directly on Karachi coast in case of *M. senile*, where thousands of sea anemone of different colours, stages and species were found. They were brought to BRC lab., and were studied in the direction of interest, and *H. vulgaris* (Vidyarthi, 1979) from a fresh water pond grown on water plant, *Hydrilla verticillata*. Secondly, the two plants from Cactus (succulents) the *Kalanchoe daigremontiana* Brickell (1989), commonly known as back bone plant and *B. daigremontianum* (Sarwar, 2002, Riha & Subik, 1981). These plants increase their population by developing miniatures/plantlets/clones on the margin of their leaf. The miniatures/plantlets have complete root and shoot system. They grow by NMP through budding asexually directly from leaf of pre-existing plant leaf. The newly evolved plant has usually 4-8 leaves and has complete root system. The two examples each from animals and plants were chosen due to the importance of development of new individual directly from the body of pre-existing individual asexually and the most primitive type of Natural Method of Propagation (NMP). The other reason for selecting these specimens was to avoid the change in number of chromosomes, which might change during sexual reproduction but in NMP it was quite clear that the individual evolving/developing/originating from the 1<sup>st</sup> pre-existing animal/plant will have automatically the same number of chromosomes as have the 1<sup>st</sup> pre-existing animal/plant. Furthermore, these *Metridium* and *Hydra*, *Kalanchoe* and *Bryophyllum* are living specimens they may be studied not only in lab, but also in field by anyone, anywhere and anytime on modern scientific grounds.

For the field study on papaya the seeds were collected from the ripe fruits of an identical male papaya plants grown previously (Jan. 2011-May 2012). These seeds were sown in June 2012 in the experimental field of Biological Research Centre, University of Karachi. After three months the seedling was transferred and transplanted in the experimental field of Department of Zoology, University of Karachi in the month of August 2012. When these plants flowered, they were identified on the basis of flower bearing in March 2013.

## RESULTS

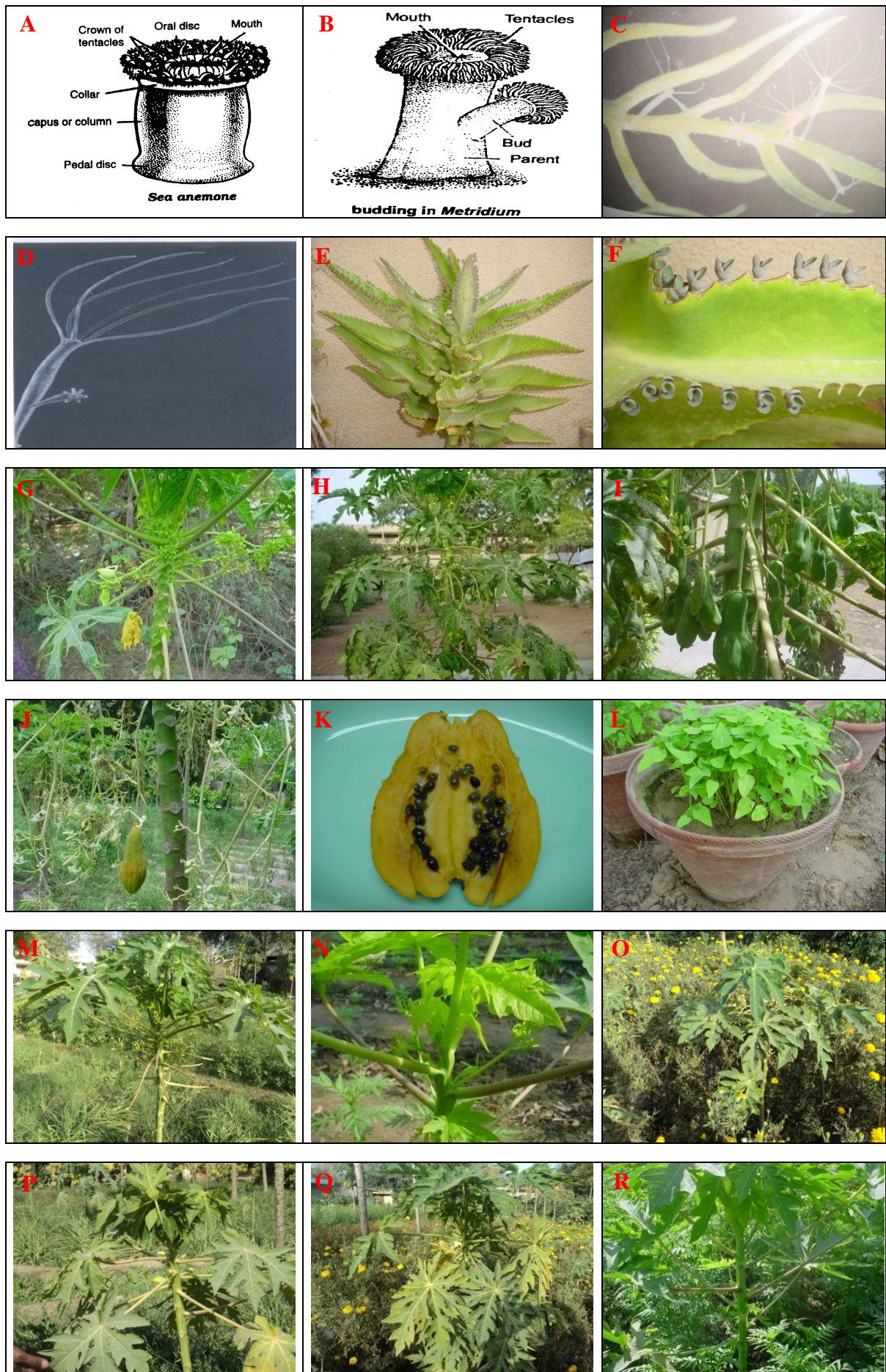
The practical study in laboratory and field revealed that, the sea anemone (*Metridium senile*) reproduced by NMP through budding process. The bud starts from the body of pre-existing animal as a small out growth, containing the body layers and an extension of the gastro vascular cavity. The second evolving animal was nourished by the 1<sup>st</sup> pre-existing animal. The second evolving individual was the same species. After detaching from the 1<sup>st</sup> pre-existing individual, the second evolving individual/clone started passing its life independently, as shown in Figure A and B, for *Metridium senile*, Fig. C and D for *Hydra vulgaris*.

In the case of *K. daigremontiana*, as well the 1<sup>st</sup> pre-existing plant gave rise to a new plantlet by NMP through foliar budding at the margin of the leaf directly and asexually. The new plantlet had 4-8 leaves and complete root and shoot system. In one leaf of 1<sup>st</sup> pre-existing plant there were 60-70 miniatures/ plantlets. Each miniature/clone in the beginning was nourished by the 1<sup>st</sup> pre-existing plant leaf. After its maturity, it was detached from the pre-existing plant leaf body. The detached miniature/plantlet due to complete organs/parts (stem, leaves and roots) soon started passing its life independently as shown in Figures E and F. Similarly in *Bryophyllum daigremontianum* 25-30 plantlets/clones were recorded which grow in new plants in the same way as described above for *K. daigremontiana*. In Fig. G an identical male plant of papaya has been shown bearing a bisexual flower in this plant. In Fig. H the other male papaya plant has been shown, bearing more or less 100 bisexual flowers, whereas in the Fig. I, the same male plant shown in previous Fig. H, has been shown after fruit setting and fruit growth nearly 100 fruits were recorded in this plant. These three Figs. G, H and I prove that an identical male plant can bear fruits like a female plant. In Fig. J, a ripe fruit has been shown, whereas in Fig. K, the same ripen fruit from identical male papaya has been shown after cutting it out into two, to show that the fruit from male plant also contains the seeds. These seeds also germinate (60-70%) as shown in Fig. L. The seedlings prepared from the seeds of male plant fruit were transplanted in the experimental field of Department of Zoology, University of Karachi. When the plants matured in March 2013 three sex forms of the plants were recognized on the basis of male, female and male + female flower bearing by these transplanted plants. Thus proving that a single identical male plant of papaya also known as hermaphrodite having XYh = XXY chromosome, gave rise to not only hermaphrodite (XXY) sex, male (XY) sex but also to female (XX) sex and sexless plants as well. This is the first report of this kind in the world. The hermaphrodite (identical male) is shown in Fig. M, male is shown in Fig. N & O and female is shown in Fig. P & Q whereas, the sex less plants is shown in Fig. R.

### Important points to note about NMP and Aadam's Creation Theory for Human Evolution:

1. The most primitive type of propagation is found in both the plants and the animals.
2. It was found not only in Monera but also in protocista and is an asexual type of propagation STBJ, XI. (2005a).
3. Only single pre-existing individual is needed to give rise to the 2<sup>nd</sup> individual/clone. STBJ, XII, (2005b).
4. No any reproductive organs were needed/used in this NMP through budding/natural cloning.
5. The bud (second new individual) may evolve from any vegetative/somatic part of the body of pre-existing 1<sup>st</sup> individual.
6. The second/next individual is nourished by the 1<sup>st</sup> pre-existing individual till the new one individual matures physically and is able to pass its life independently.
7. After detachment the second one pass its life freely and independently in all respects as the 1<sup>st</sup> one.
8. The 2<sup>nd</sup> new individual will have the same number of chromosomes as the pre-existing 1<sup>st</sup> individual have due to asexual reproduction. Alberts *et al.*, (2010).
9. This type of propagation in animals is found in both Monera & Protocista *e.g.*, *Hydra* & *Metridium*.
10. This type of propagation in plants is found in both Monera & Protocista (Unicellular & Multicellular) *e.g.* *Bryophyllum pinnatum*, *B. daigremontianum*, *Kalanchoe tubiflora*, (synonym *K. verticillata*), *K. daigremontiana*, spider plant Riley (2010).
11. Natural Method of Propagation (NMP) takes place naturally by means of foliar budding like process in favourable conditions of healthy environment, frequent food supply and for healthy individual.
12. In term of humans, plants and animals it is an asexual method of propagation, for increasing the population of an individual/organism, where there is no population *i.e.* single individual/plant/animal.
13. The above all presented examples are modern & living examples.
14. These examples may be seen, observed, experimented, practically & studied by any one, anywhere, any time on scientific grounds to understand the NMP through budding asexually.
15. NMP checks/stops/opposes the process (Phenomenon) of evolution.

All the above points favour the creation/origin/evolution of second human, Hazrat Bibi Hawwa (Radiyallahoh Taala Anha) by NMP through budding like process from the 1<sup>st</sup> pre-existing human, Hazrat Aadam (Alaihis Salam).



Figs. A-R (Figure's, Legends are on next page.

**Figure's legends:** A= Pre-existing single *M. senile* ready for budding/cloning; B= *M. senile* with mature clone, attached to it, which will detach from it and will pass its life independently; C= *H. vulgaris*, attached on fresh water plant; D= *H. vulgaris* with mature clone, attached to it, after detaching from pre-existing one, it will pass its life independently; E= *K. daigremontiana* with 60-70 clones/plantlets directly grown on a single leaf; F= *K. daigremontiana* clones enlarged to show their root & shoot system and their attachment on side of the parent leaf; G= An identical male plant of papaya with two bisexual flowers; H= An identical male plant of papaya with many bisexual flowers; I= An identical male plant of papaya with many (100) fruits in it; J= An identical male plant of papaya with a ripe fruit; K= Ripe fruit has been cut to show the seeds in it; L= Seedlings grown from an identical male papaya plant; M= An identical male plant from an identical male plant seed; N&O= Pure male plants with immature and mature male flowers; P&Q= Pure female plants from identical male plant seeds and R= A sex less papaya plant from identical male plant fruit seed, having no male or no female flower in it (up till now).

## DISCUSSIONS

Commonly a simple question, arise in the minds of people that How the 1<sup>st</sup> individual of each species of animal and each plant came into existence? This question cannot be answered by anyone because there are so many species of animals and plants. How the example and evidence you will provide for each and every animal and plant on earth planet for its evolution or its beginning/origin *i.e.* how the 1<sup>st</sup> individual of each animal and each plant species came into existence/get its beginning. It seems to be if not impossible, but very difficult, such as, how the 1<sup>st</sup> plant of Banana was originated? because it has no seeds and reproduces only asexually. Only a few examples are presented theoretically *e.g.*, evolution of horse. Some people have used the gestures, rough estimates or assumptions which may or may not be correct. But if hinds are taken from the Holy Qur'an which is a Devine, unchanged, unchallenged, un-refutable book and is the most modern book from Almighty Allah (Bucaille, 2001). Then the question may be answered on scientific grounds such as in Surah Al-Nisa: Yaaa - 'ayyuhān-naasut-taqaū Rabbakumullazīi khalaqakum-min-nafsinw-waahida-tinw-wa khalaqa minhaa zawjahaa (Al-Qur'an, S # 4) Translation: "O mankind! Be afraid of your Lord who created you from a single man and from him created his mate" Here man means Aadam (Alaihis Salam) and mate means H.Bibi. Hawwa (Eve) Radiyallaho Taala Anha which means that the second human (Eve) was evolved/originated/ created/grown from the first human (Aadam) pre-existing, having the same species and number of chromosomes, as we observed in the case of *M. senile* & *H. vulgaris*. Therefore from a single individual (Aadam), the second individual (H.B.B. Hawwa) was produced by NMP process through budding like phenomenon in the beginning of their life to make up a pair level and then the sexual reproduction started to increase their population. The same concept of human creation/evolution has been described in Surah Al-Hujrat (Al-Qur'an, S# 49). Similarly the example may be taken from the plants as well as it has been signaled in the Holy Qur'an in the verse of Surah Al-Nooh: Wallaahu 'amhatakum-minal-'ardi nabaata (Al-Qur'an, S # 71). Translation: "And Allah hath caused you (human) to grow as a growth of plants from the earth". This is the reason that the examples from the plants (*Kalanchoe* and *Bryophyllum*) have also been taken into consideration to understand the same process in animals and plants simultaneously. Now this verse also invites us to ponder upon the plants and their budding system in plants, to understand the budding growth in animals. These plants and animals click/switch the idea in our minds to think upon the evolution/origin/creation of female human from a male human by NMP process.

Now to understand these verses of Holy Qur'an, the Hadeeth (Sayings) of the Holy prophet (Sallallohu-Alaihay-Wa-Aalayhi-Wasallumu) serves as reference or guide. Therefore to understand that, How a female Human can take creation/evolution from a male Human? A Hadeeth is presented. Hazrat Abu Hurairah may God be pleased with him narrated that the Holy prophet (Sallallohu-Alaihay-Wa-Aalayhi-Wasallumu) said "Indeed the woman was created from rib" All agreed (Al-Hadeeth). The presented Hadeeth provides clue about the importance of skeleton. In the process of NMP, the skeleton provides the main support to the evolving individual, therefore the Hazrat Bibi Hawwa (Radiyallaho Taala Anha) was evolved/ created/ developed/ originated from the (floating) rib of Aadam (Alaihis Salam). As we observe in the *Metridium* and *Hydra* that all two layers are involved during budding process. Similarly in the case of plants *K. daigremontiana*, the miniature arises from the leaf at the margin of the leaf blade, where the veinlet is ending. This veinlet arise from the mid rib and the mid rib has main supporting cells, the xylem and phloem, providing complete root and shoot system to the plantlet/miniature which after detaching from the pre-existing plant, pass an independent life, as the previous one. Hence similar idea clicks here for Eve (Radiyallaho Taala Anha) from the floating rib of Aadam (Alaihis Salam). So it becomes clear that the Holy Qur'an provides the main idea and the Hadeeth verifies the happening/ process/ method/ probability of the idea as we noted here. This means that the human beings were evolved from a man and a woman. Note here that the first human (Aadam) was created by Almighty Allah and then from this human the other human (H.B.B. Hawwa) was created/originated/evolved and from these two (Hazrat Aadam & H.B.B. Hawwa) all the *Homo sapiens* were evolved, and the population is increasing day by day up till now and this is according to the modern cell theory which states that a living cell can arise only from a pre-existing living cell similarly, a species of any plant, animal and human can only arise from a pre-existing species. Thus the 2<sup>nd</sup> human (Eve) was also propagated from the 1<sup>st</sup> pre-existing human (Aadam), as reported by Tariq (2011b).

Now the question arises in the minds of common people that how the male human can give rise to a female human? This question may be answered from the findings of a Japanese scientist Fujisawa *et al.*, (2001) who reported the scientific and experimental work on male liverwort.

Fujisawa *et al.*, (2001) reported that only from XY, the female (XX) and male (XY) may be obtained genetically *e.g.*, the liverwort *Marchantia polymorpha* has X and Y-chromosomes in the respective female and male haploids. They reported the successful explanation of representational different analyses to isolate DNA markers for the sex chromosomes. Two female-specific and six male-specific DNA fragments were genetically confirmed to originate from X and Y-chromosomes respectively. In this report which is a scientific attempt proves that the liverwort with XY chromosome, can give rise XX and XY genetically. This example may be accepted for the above question *i.e.*, the 1<sup>st</sup> plant/individual will produce the same chromosome number in the plant/individual grown from the pre-existing organism and the sex may be the same or different and it was also proven that a male can give rise to a female genetically, which means that it was possible scientifically according to genetics that from the body of Hazrat Aadam (Alaihis Salam) who was a male, a female Hazrat Bibi Hawwa (Radiyahallo Taala Anha) was evolved, as we noted in Fujisawa report. It also means that, this scientific statement that male can give rise to female organism is accurately in line with the statement of Holy Qur'an and Holy Hadeeth. And the present work provides the idea about the possible process/phenomenon taken place for reproduction of H.B.B. Hawwa (Radiyahallo Taala Anha) from the body of H. Baba Aadam (Alaihis Salam) by presenting the examples of *Metridium & Hydra* and *Kalanchoe & Bryophyllum* reproduction asexually by means of NMP through budding and a complete animal/plantlet from an animal/a plant by the same phenomenon.

Takhtajan (1969) reported "The hypothesis that angiosperms originated from hermaphroditic ancestors is supported by the prevalence of hermaphrodites among about 72% of all species". It's in mammals, some dioecious flowering species have an active-Y system of sex determination with heterogametic males (XY) and homogametic females (XX), such as white campion (*Silence latifolia*), papaya (*Carica papaya*) and *asparagus* (*Asparagus officianallis*) reported by Ono (1935), Westergaard (1958). In the present work as well the hermaphrodite animals (Hydra & Metridium) and plants have been described as examples for the idea of evolution of Eve from Aadam, as Takhtajan said "It is in mammals"

The other example may also be given from the findings of Storey (1976) who described the papaya as hermaphrodite for the first time having XY sex chromosomes. According to him the male (Hermaphrodite) papaya tree, which is identical to the pure male tree. In the same way if Aadam (Alaihis Salam) is supposed to be hermaphrodite having (XXY) chromosomes. Then it becomes very easy to understand because, hermaphrodite is capable of producing both the male and the female. Furthermore hermaphrodite is an identical to a pure (XY) male, as we still note in this modern age that there are XXY male in humans which are normal males, and don't have Klinefelter Syndrome as reported online, "I never refer to new born babies as having Klinefelter because they don't have a syndrome". Said 'Arthur Robinson MD, a Pediatrician at the University of Colorado Medical School in Denver and the Director of the National Institute of Child Health and Human Development (NICHD) checked the chromosomes of more than 40,000 infants. The ratio was one infant with xxY in 500-1000 males. Sponsored this study of XXY males "Presumably, some of them will grow up to develop the syndrome Dr. Klinefelter described, but a lot of them won't". For this reason the term "Klinefelter syndrome" has fallen out of favour with medical research. Most prefer to men and boys having the extra chromosome as XXY males. Therefore, researchers identified the males having extra sex-chromosome in new born babies, one of the largest studies in 1970's (online information 2013).

Both people and papayas have specialized chromosomes that carry genes that determine the gender of their offspring. They're called the sex chromosomes and are markedly different from ordinary chromosomes. Joint research with industry and university scientists has yielded the first direct evidence of the evolution of papaya sex chromosomes from others in the fruit's genetic makeup. One particular papaya chromosome resembles a primitive version of the human Y-chromosome, perhaps as it existed 240 to 320 million years ago. It's thought that a similar process occurred in the human by Moore (2004). It was the reason that in the present work field study on papaya plant has been conducted for three years, which concluded the evolution of female sex plant from an identical male plant of papaya.

Lieu *et al.*, (2004) reported that the papaya sex chromosomes have virtually all of the features that the human sex chromosomes have. Male & hermaphrodite papaya plant having XY & XXY = XYh = mMh and XX = mm chromosomes are identical to each other. Here hermaphrodite papaya has the ability for producing fruits like the female papaya plant. This practical scientific evidence also supports that when male (Hermaphrodite) papaya plant can bear the fruits like, the female papaya plants, then how it is not possible for *Homo sapiens* to give rise, a female through NMP like process, as we reported in present work as well by Hydra, Metridium & Papaya. Because we know that in this modern age, the male babies having XXY chromosome are still taking birth (1/1000) and not only they are normal males but also they are exactly identical to the pure male (XY) persons (online information), which is a clear proof that Aadam was XXY, due to which the evolved progeny still shows this recapitulation in this modern age as well, which is also a scientific proof.

For papaya, there is no way to determine a plant's sex from its seed. In a typical planting, about two-thirds of the plants are hermaphroditic and one-third are female. Once the plants have flowered, workers go through the fields and laboriously remove the females. Since papayas typically flower between 6 and 12 months of age, farmers had to wait a good while before they could determine the sex. Contrasted with the sex chromosomes of mammals, those of plants have evolved separately in many families and are poorly characterized. Liu *et al.*,

(2004) reported their findings that, in contrast to the roughly 240-320 million year age of human sex chromosomes and their antecedents, the papaya plant's recently evolved sex-determination system appears to be at the dawn of sex chromosome evolution. Parallels in the evolution of sex chromosomes in plants and animals are illustrated in that the primitive sex chromosomes in papaya share characteristics that are typical of well developed mammalian sex chromosomes, including suppression of recombination and degeneration of the male sex Y-chromosome (MSY) region, as driving forces in sex chromosome evolution. Genomic analyses of papaya's primitive MSY provide direct evidence that sex chromosomes are evolving from autosomes as predicted by evolutionary biology theory Liu *et al.*, (2004). Our present findings are in line with Evolutionary Biology Theory.

The Y-chromosome is the shortest chromosome in humans, and most of the Y-chromosome is believed to be made of junk DNA. In the 1960s, Ohno (1967) proposed that the human Y-chromosome is a profoundly degenerated X chromosome with very few genes on it encoding male-specific features and some began to speculate that the continued degradation of the Y-chromosome might result in the extinction of the human male. In order to address this question, it is helpful to know the origin of the Y-chromosome. Surprisingly, the most primitive Y-chromosome found so far was not found in any animal, but in the papaya (*Carica papaya*, 2n=18). Liu *et al.*, (2004) found that male and hermaphrodite papayas contain an allele that is not found in female papayas. Severe recombination suppression and DNA sequence degeneration are observed in the regions around that allele. Although no heteromorphic, chromosomes in papayas were found to be analogous to the X and Y-chromosomes in humans, the newly discovered gene shares many characteristics with male-specific region of the Y-chromosome (MSY) Chen (2005).

Ming *et al.*, (2007a) reported "Dioecious has arisen independently from hermaphroditic ancestors in many plant families and genera". The ancestor of flowering plants was likely hermaphroditic (Takhtajan, 1969). Although the vast majority of extant flowering plants are hermaphrodites, monoecious and dioecious species occur in 75% of angiosperm families, including all six dicotyledonous and all five mono cotyledonous subclasses (Yampolsky & Yampolsky, 1922; Renner and Ricklefs, 1955). Ming *et al.*, (2007b) also writes sequencing of the male-specific region of the Y-chromosome and corresponding region of the X chromosome is underway in papaya. Yu *et al.*, (2008ab), Wu *et al.* (2010); Gschwend *et al.* (2011) also reported X/Y chromosome system in papaya.

Alberts *et al.*, (2010) write in their book "Many plants also reproduce asexually, forming multicellular offshoots that later detach from the parent to make new independent plants. Even in the animal kingdom there are species that can reproduce by budding, and some worms can be split into two halves, each of which regenerates its missing half. And the females of some species of insects, lizards, and even birds, can produce eggs that develop *parthenogenetically* – that is, without any need for males, sperm, or fertilization – into healthy daughters that can then reproduce in the same way. But while such asexual reproduction is simple and direct, it gives rise to offspring that are genetically identical to the parent organism". The example has been furnished by them is of *Hydra*, which is a simple multicellular animal and reproduces by forming bud that is genetically identical to the parent. Eventually this bud will detach from its parent and live independently. The same kind of result has been concluded in the present work through the observation of *Metridium senile* and *K. daigremontiana* and in *B. daigremontianum* budding.

Riley (2010) writes in his book "A clone is an organism that is an exact copy of its parent. Clones can occur naturally when some organisms reproduce. *Amoeba*, a Protoctist, produces a clone by simply dividing in two. *Hydra*, a small animal related to sea anemones, which lives in ponds and ditches, grows a bud which detaches itself and becomes a copy of its parent. Some plants can also form clones. The spider plant is a familiar houseplant which grows small plants on side shoots. The small plants can become detached and live on their own". In the present work the same idea has been supported by the natural cloning of sea anemone, *B. daigremontianum* and *K. daigremontiana*.

Tariq (2011a) reported that male *Carica papaya* plant having only male flowers containing androecium bear the fruits like a female papaya plant, which has only female flowers containing ovary. This is possible only due to the XXY sex chromosomes. This characteristic of the male papaya plant provides a strong support to the idea and statement described by the Holy Qur'an & Hadeeth. Hence the evolutionary theories and hypothesis other than Aadam Hypothesis are not valid/satisfactory and reliable as they were constructed on assumptions, whereas Aadam Hypothesis has been proved not only from Qur'an and Hadeeth, but also from the modern scientific, practical evidences from both the plants and animals, as reported in the present work supported by previous work of other workers.

Na *et al.*, (2012) reported "Papaya is a major fruit crop in tropical and subtropical regions worldwide. It is trioecious with three sex forms: male, female, and hermaphrodite. Sex determination is controlled by a pair of nascent sex chromosome with two slightly different Y-chromosome, Y for male and Yh for hermaphrodite. The sex chromosome genotypes are XY (male), XYh (hermaphrodite), and XX (female). Here Yh = XY is taken, then XYh = XXY (hermaphrodite) according to Hofmeyr 1938, Storey, 1976 and Liu *et al.*, (2004) because Liu *et al.*, (2004) reported a sentence in their publication" and m = X, M = Y, and Mh = Yh = XY then: mm = XX (male) mM = XY = (female), mMh = XYh = XXY (Hermaphrodite) (Tariq, 2011a).

The *Homo sapiens* should not be mixed with the animals, due to having no practical data and evidences. Instead of this *Homo sapiens* may be classified independent of the other primates because of independent creation of man, as suggested by Farooq & Shakoori (2002) and they have also proposed Evolutionary Tree of Man as well beside describing the 16 differences between human and other primates.

The chromosomes system in birds and fishes has been found different (apposite/reverse) from the chromosomes system of humans. In fishes and birds, the individual which have ZZ = XX chromosomes are being reported male, whereas the individuals having ZW = XY chromosomes in fishes and birds are reported female STBJ (2005a). On the other hand in human and papaya (and in some other plants and animals) the individuals having XX-chromosomes are female, XY are male and XXY chromosomes (having one extra X-chromosome) are termed as hermaphrodite. The above evidence of opposite system of sexuality in birds and fishes to humans proves that the fishes and birds seem not to be the ancestors of human. The evolution of humans seems to be independent of the evolution of birds and fishes. Similarly all the vertebrate from Agnatha to Gnathostoma have single excretory organ anus but the mammals have two separate a rectal and a urinogenital opening (except Platypus duckbill and Echidna) which means that fishes, amphibia, reptiles and birds (having single excretory anus) seems not the ancestors of mammals. The mammals are kept in between the reptiles and birds. As the turtles and tortoises are shown to evolve directly from the ancestors of vertebrates, there are no evidences for their evolution; similarly there are no practical evidences for human's evolution. In phylum annelid (animals) its two classes the class Oligochaeta (e.g., Pherithema) and Hirudinea e.g., leech are hermaphrodite having both male and female organs (genital pore and spermathica), they copulate for the production of new progeny. Humans have also been found hermaphrodite having XXY chromosomes in male babies at the ratio of 1/1000 still today. According to modern Cell Theory as stated above, "a cell cannot exist until unless a pre-existing cell" than how a species can exist without pre-existing species. A particular cell and species has particular 2N, chromosome number which do not change with external force of chemicals or environment in the existing species. Therefore the 2<sup>nd</sup> human (Eve) evolved/originated from the 1<sup>st</sup> pre-existing human (Aadam). This is proposed as Aadam's Creation Theory for Human Evolution (AC-Theory for Human Evolution), which states "The 1<sup>st</sup> human Aadam (hermaphrodite ♂) was created by nature as pre-existing human species, the 2<sup>nd</sup> human Eve/Hawwa (hermaphrodite ♀) was evolved / originated by means of natural cloning / natural budding asexually, for the 1<sup>st</sup> time in the world from pre-existing human species (Aadam) to maintain the pair level of human species for sexual reproduction and then all men and women were spread in the whole world through this pair, which is continued till today".

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