

Article

Not peer-reviewed version

Various Mixtures of Carbon Negative Replacements of Gasoline and Diesel Fuel

[Dr. Michael Vladislavovich Tyurin](#) *

Posted Date: 19 September 2024

doi: 10.20944/preprints202409.1371.v1

Keywords: Carbon Negative fuels; Mixtures of Carbon Negative fuels; fuel mileage; new type of gas stations; international petroleum corporations



Preprints.org is a free multidiscipline platform providing preprint service that is dedicated to making early versions of research outputs permanently available and citable. Preprints posted at Preprints.org appear in Web of Science, Crossref, Google Scholar, Scilit, Europe PMC.

Copyright: This is an open access article distributed under the Creative Commons Attribution License which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is properly cited.

Article

Various Mixtures of Carbon Negative Replacements of Gasoline and Diesel Fuel

Michael Vladislavovich Tyurin

Inorgcarbodiesel, Inc., P.O. Box 300230, Houston, TX 77230, USA; drmttyurin76@outlook.com

Abstract: We manufacture different Carbon Negative fuels at our manufacturing facilities. We manufacture fuel Butanol, fuel Isobutanol, fuel Diacetyl alcohol, and fuel Mesityl oxide. All said fuels are manufactured from the air CO₂. Mixtures of our Carbon Negative fuels are great to fuel both Gasoline and Diesel fuel cars and trucks. The fuel mileage we can gather using said mixtures exceeds both either the Gasoline mileage or the Diesel fuel mileage using respective cars / trucks. We publish herein the fuel mileage which always exceeds the gas and diesel fuel mileages for said fuels manufactured by the international petroleum corporations.

Keywords: carbon negative fuels; mixtures of carbon negative fuels; fuel mileage; new type of gas stations; international petroleum corporations

Introduction

We have published already our articles on the Carbon Negative fuel mixture of the following composition: 30% fuel Isobutanol, 20% fuel butanol; 30% fuel DAA and 20% fuel Mesityl oxide. Now the time has come to express our experience in the other combinations of the listed Carbon Negative fuels. We have tested them using our corporate cars 2024 Porsche Cayenne Turbo GT, 2024 Toyota Camry and Diesel truck 2024 Ram 1500. The results of testing are expressed herein. The percentages are given as the volume per cents. We would like to remind our readers that the fuel Isobutanol and fuel Butanol are the replacements of Gasoline and are made solely from the air CO₂ using our proprietary technology recently developed [18]. At the same time DAA and Mesityl oxide also made solely from the air CO₂ are the replacement of the Diesel fuel.

We trust that the variety of the combinations of said Carbon Negative fuels could support our original idea that said combinations, and each of them in particular, can still replace the originated from petroleum Gasoline and Diesel fuel efficiency and provide the superior gas mileage exceeding the original constructors / manufacturers gas mileage. At least that was what we have anticipated by exploring said combinations as we have published in this particular article. The testing procedure included the results of the certified mechanics from the respective car / truck dealerships observation and their driving experiences along with the tested cars / trucks exhaust analysis for the unusual / toxic exhaust components, evaluation of the gas mileage for each tested combination of the Carbon Negative fuels, etc.

We are herein comparing the results of testing of our mixed Carbon Negative fuels and offer the recommendations per the purchase of our Carbon Negative fuels at our new type of gas stations we describe herein in this original article.

Materials and Methods

We do manufacture the Gasoline replacements fuel Isobutanol and fuel Butanol at our corporate facilities [1–14]. Fuel Acetone serving as the source for the fuel DAA and the fuel Mesityl oxide were manufactured at our corporate manufacturing facility as well. Now we have at our corporate facility the set up completed for the mixing area where we efficiently and safely mix the manufactured replacements of Gasoline and Diesel fuel to provide them to our valuable customers. These are the

fuel mixes suitable for efficient use in their Gasoline and Diesel fuel powered cars and trucks. This area goes along with the area where we manufacture the fuel DAA and the fuel Mesityl oxide from the fuel Acetone [15,16]. Herein we have described the manufacture and the use of the mixes composed of various combinations of fuel Isobutanol, fuel Butanol, fuel DAA and fuel Mesityl oxide. The fuel Mixture M1 composition was 30% fuel Isobutanol, 30% fuel butanol; 30% DAA and 10% Mesityl oxide. The fuel Mixture M2 was 45% fuel Isobutanol; 15% fuel DAA; 10% of fuel Mesityl oxide and 20% fuel Butanol. The fuel Mixture M3 was 40% fuel Isobutanol; 10% fuel DAA; 5 fuel Mesityl oxide and 45% fuel Butanol. The fuel Mixture M4 was 36% fuel Isobutanol; 30% fuel DAA; 30% fuel Mesityl oxide and 4% fuel Mesityl oxide. The fuel Mixture M5 was 30% fuel Isobutanol, 20% fuel butanol; 30% fuel DAA and 20% fuel Mesityl oxide. This mixture was already described [17].

2024 Porsche Cayenne Coupe 6 cylinder 3.0l with the automatic transmission. We have two of them at our corporate site. The manufacturer reports the gas mileage for this car as 19 mpg [19]. We also have 20 2024 Toyota Camry (FWD) as our corporate property. The gas mileage is 28 mpg in the city and 39 mpg while driving on highway [21]. We do own 5 Diesel fuel trucks 2024 Ram 1500 pickup Lone Star. For the Diesel trucks 2024 Ram 1500 Pickup Lone Star EPA-estimated fuel economy is stated at 20 miles per gallon city, 25 mpg highway and 22 mpg combined with RWD (which is better than Chevy's base turbo-four cylinder engine) [23].

We had the corporate Carbon Negative fuel mixing facility where the Carbon Negative fuels manufactured selectively from the air CO₂ from different manufacturing processes (as you already saw above we have Carbon Negative fuels fuel Butanol [21], fuel Isobutanol [14], Mesityl oxide [4] and Diacetyl alcohol [4,9,10]). Said facility allowed us to prepare the mixtures M1, M2, M3 and M4 from the Carbon Negative fuels we were manufacturing from the air CO₂ using our proprietary technology [18].

It is important that the fuel mileage we report herein is obtained from the driving said cars noted above for 10,000 miles on the highway and the city of Brownsville. We also provide the combined fuel mileage using the fuel mileages for the highway use and for the use in the city.

To support our manufactured set of the Carbon Negative fuels we have tested them in the form of mixtures suitable to power both the Gasoline and Diesel fuel cars and trucks. Certified mechanics from the respective car dealerships were invited to test our corporate cars to reveal any signs of the unusual cars / trucks behavior, they have brought the analysers of the engines exhaust to detect the levels of produced by our corporate cars / trucks CO, to detect any unusual components of the exhaust gases, etc.

The testing of our corporate cars / trucks has been performed for the distance of driving 10,000 miles combining the highway driving and the city of Brownsville driving, we also provide the combined fuel mileage and the Results and Discussion section of this article provides the combined fuel mileage data from our corporate cars / trucks.

We have the following corporate cars / trucks at this moment: the CEO is transported by his driver using the 2024 Porsche Cayenne Coupe. We have two of such SUVs at our corporate garage. In addition to that we do have twenty 2024 Toyota Camry LE. In addition to said cars we do own 5 Diesel fuel trucks 2024 Ram 1500 Pickup Lone Star. The results of the fuel mileage are reported herein from these cars / trucks.

Results

We are not going to be very wordy herein. The general notice is that the mixtures of our Carbon Negative fuels we have manufactured from the air CO₂ provided us with substantial economy of the Carbon Negative fuels compared to the gas or diesel fuel mileages for our corporate cars / trucks as the fuel mileage was always greater than that we could get from the same cars when we used Gasoline or Diesel fuel manufactured by the international petroleum corporations from petroleum.

For the Carbon Negative fuel Mixture 2 (45% fuel Isobutanol; 15% fuel DAA; 10% of fuel Mesityl oxide and 20% fuel Butanol) the 2024 Porsche Cayenne Coupe had the fuel mileage 26 mpg in the city of Brownsville and 36 mpg in a highway. The combined fuel mileage was recorded as 30.9 mpg. The 2024 Toyota Camry LE had the city of Brownsville fuel mileage 34 mpg and the highway gas mileage

46 mpg. The combined fuel mileage consisted of 40.2 mpg. The Diesel trucks Ram 1500 Lone Star was recorded as the highway fuel mileage 28.8 mpg driving on a highway and 23.8 mpg driving in city of Brownsville. The combined fuel mileage was 26.8 mpg.

Other Carbon Negative fuel mixtures provided a little lower fuel mileages. The Carbon Negative fuel mixture M1 (30% fuel Isobutanol, 30% fuel butanol; 30% DAA and 10% Mesityl oxide) offered for 2024 Porsche Cayenne Coupe the city of Brownsville fuel mileage 23 mpg, the highway fuel mileage was 33 mpg, the combined fuel mileage was 27 mpg. The 2024 Toyota Camry LE had the fuel mileage in the city of Brownsville 33 mpg, the highway fuel mileage was recorded as 45 mpg, the combined fuel mileage was 39 mpg. The Diesel fuel trucks 2024 Ram 1500 Lone Star had the fuel mileage in the city of Brownsville 22.8 mpg, the highway fuel mileage was recorded as 27 mpg, the combined fuel mileage was 25.3 mpg.

For the fuel Mixture M3 (40% fuel Isobutanol; 10% fuel DAA; 5 fuel Mesityl oxide and 45% fuel Butanol) the 2024 Porsche Cayenne Coupe the fuel mileage was 22.8 mpg, the highway fuel mileage was recorded as 32.8 mpg, the combined fuel mileage was recorded as 26 mpg. The combined fuel mileage for the mixture M3 was recorded as 26.8 mpg. The 2024 Toyota Camry LE had the fuel mileage in the city of Brownsville 23 mpg, the highway fuel mileage was recorded as 44.7 mpg, the combined fuel mileage was recorded as 39 mpg. For the Diesel trucks Ram 1500 Lone Star had the fuel mileage in the city of Brownsville 22.8 mpg, the highway fuel mileage was recorded as 26.8 mpg, the combined fuel mileage was recorded as high as 25.5 mpg.

The fuel Mixture M4 (36% fuel Isobutanol; 30% fuel DAA; 30% fuel Mesityl oxide and 4% fuel Mesityl oxide) offered us for the 2024 Porsche Cayenne Coupe the city of Brownsville fuel mileage 23.6 mpg, the highway fuel mileage was recorded as 33.6 mpg, the combined fuel mileage was 26.8 mpg. For the cars 2024 Toyota Camry LE said mixture M4 provided the city of Brownsville fuel mileage 23 mpg, the highway fuel mileage was recorded as high as 45 mpg, the combined fuel mileage was recorded as high as 40 mpg. For the Diesel fuel trucks Ram 1500 Long Star the city of Brownsville fuel mileage was recorded as 23 mpg, the highway fuel mileage was as high as 27 mpg, the combined fuel mileage was as high as 25 mpg.

The fuel Mixture M5 used had the composition of 30% fuel Isobutanol, 20% fuel butanol; 30% fuel DAA and 20% fuel Mesityl oxide. For the 2024 Porsche Cayenne Coupe the city of Brownsville fuel mileage was 23 mpg, the highway fuel mileage was as high as 33 mpg, the combined fuel mileage was as high as 28 mpg. For the 2024 Toyota Camry LE the city of Brownsville fuel mileage was as high as 22 mpg, the highway fuel mileage was as high as 43 mpg, the combined fuel mileage was as high as 36 mpg. For the Diesel trucks Ram 1500 Long Star the city of Brownsville fuel mileage was recorded as high as 22 mpg, the highway fuel mileage was recorded as high as 26.8 mpg, the combined fuel mileage was as high as 24 mpg.

Discussion

The Table 1 summarises all the data provided above to make the conclusions which fuel mixture provided the best fuel mileage on the highway, in the city of Brownsville and the combined fuel mileage.

Table 1. The fuel mileages provided by the Carbon Negative fuels mixtures.

Carbon Negative Fuel Mixture	The city of Brownsville Fuel Mielage, MPG	The Highway Fuel Mileage, MPG	The Combined Fuel Mileage, MPG
M1	2024 Porsche Cayenne Coupe 23	2024 Porsche Cayenne Coupe 33	2024 Porsche Cayenne Coupe 27

	2024 Toyota Camry LE 33 2024 Ram 1500 22.8	2024 Toyota Camry LE 45 2024 Ram 1500 27	2024 Toyota Camry LE 39 2024 Ram 1500 25.3
M2	2024 Porsche Cayenne Coupe 26 2024 Toyota Camry LE 23 2024 Ram 1500 23.8	2024 Porsche Cayenne Coupe 36 2024 Toyota Camry LE 44.7 2024 Ram 1500 28.8	2024 Prsche Cayenne Coupe 30.9 2024 Toyota Camry LE 39 2024 Ram 1500 26.8
M3	2024 Porsche Cayenne Coupe 22.8 2024 Toyota Camry LE 23 2024 Ram 1500 22.8	2024 Porsche Cayenne Coupe 27 2024 Toyota Camry LE 44.7 2024 Ram 1500 26.8	2024 Porsche Cayenne Coupe 26 2024 Toyota Camry LE 39 2024 Ram 1500 25.6
M4	2024 Porsche Cayenne Coupe 23.6 2024 Toyota Camry LE 23 2024 Ram 1500 23	2024 Porsche Cayenne Coupe 33.6 2024 Toyota Camry LE 45 2024 Ram 1500 27	2024 Porsche Cayenne Coupe 26.8 2024 Toyota Camry LE 40 2024 Ram 1500 25
M5	2024 Porsche Cayenne Coupe 23 2024 Toyota Camry LE 22 2024 Ram 1500 22	2024 Porsche Cayenne Coupe 33 2024 Toyota Camry LE 43 2024 Ram 1500 26.8	2024 Porsche Cayenne Coupe 28 2024 Toyota Camry LE 36 2024 Ram 1500 24

The Carbon Negative fuel mixtures M1 - M5 were different between each other by the contents of their Carbon Negative fuels. The fuel Mixture M2 deserves the secial attention of the readers of this article. This mixture of the crabon negative fuels contains 45% of fuel isobutanot and 20% of fuel Butanol. DAA and Mesityl ozide are added to provide the suitability of this Mixture for the engines of the Diesel fuel consuming trucks. Based ont date of Table 2 this mixture of our Crabon negative fuels provided the best highway fuel mileage, the best ctiy of Brownsville and the combined fuel

mileages. Based on our very m=limited study we might recommend this Mixture M2 of the Carbon Negative fuels manufactured from the air CO₂ for the Nationwide distribution using our special stations selling not only the Carbon Negative fuels but also our Carbon Negative foods we have developed to help the Humankind to survive the coming soon shortage of the fresh water evaporated at the increasing amount of the air CO₂ to the outer Space vacuum. The losses of the fresh water vapors to the outer Space vacuum comprise as of today ~25,920 liters per day, or 9,467 m³ per year. That would correspond to a total loss over Earth's history of 42,000 km³ of water, equivalent to about 12 cm of sea level decrease [18].

Said fresh water losses mean the inevitable approach of the Global Starvation on Earth [18]. With no fresh water there will not be any crops and livestock production on our planet. We have prepared ourselves for that. We already have developed Carbon Negative foods grown on the biomass of the used biocatalysts to manufacture the Carbon Negative fuels. Said Carbon negative genetically engineered foods are based on the mushroom of the family Borovik (white tu bulb mushroom, delicatessen by itself, will contain the genes of goat or beef muscles, vegetables, eggplant genes, potato genes, tomato genes, wheat bread [25–27]. We are prepared to the Global Starvation on Earth during the time of the decay of the international petroleum corporations. We will manufacture enough genetically engineered food to feed all the starving great and with the potential to have the international petroleum corporations completely replaced by our Carbon Negative fuel and our Carbon Negative genetically engineered foods manufactured and sold at our new type of the gas stations discussed in a separate independent article.

Article Summary

1. The losses of the fresh water vapors to the outer Space vacuum comprise as of today ~25,920 liters per day, or 9,467 m³ per year..That would correspond to a total loss over Earth's history of 42,000 km³ of water, equivalent to about 12 cm of sea level decrease [18].
2. Loss of fresh water to the outer Space means the lack of the crops and livestock production anticipated in the next 10-25 years.
3. The Author is ready to combat that coming soon Global starvation by offering not only Carbon Negative fuels at his new type of the gas stations but also the Carbon Negative genetically engineered foods at the same gas stations to save valuable time for his customers.
4. Therefore there will not be any need for the relocation of the Humankind to another planet planned by the richest man in the World Elon Musk. Let's stay on Earth and do our business, my dear readers.

Ethics approval and consent to participate: The Author has received all the proper documents granting the Ethical Approval and the Consent to Participate from the State of Texas officials. The Author has made sure that the ethical approval and his consent to participate in preparation and submission for publication of this article were properly approved by the respective authorities of the State of Texas.

Consent for publication: The Author has expressed his complete consent to participate in work with this article and its publication in this Journal.

Availability of data and materials: The Author makes all his data and materials herein available for any third party. The data and materials might be obtained from the Author at PO Box 300230, Houston, TX, 77340. Email drmyurin76@outlook.com. If any third party needs any materials used to publish this article, please, do contact the Author.

Competing interests: This article is another the Author's move in the war which has started by SHELL International Petroleum Corporation some time back by attempted murder of the Author. The people hired by SHELL has totaled the Author's corporate car and did some other illegal things to the Author which have concluded the Author that the war with the international petroleum corporations has started already. No Houston FBI or Houston Police investigation of said attempted murder has happened and this is behind the responsibility of the Texas Governor with all the legal remedies the Author might use in his fight to sue the State and its Governor Gregory Abbott. The attempted murder has the statute of limitations 20 years, and there are jurisdictions above the level of the State of TEXAS. The Author had certain legal problems with the at that time Attorney General of the State of Texas in 2013, now Texas Governor, Greg Abbott and the Author is going to

resolve all the legal problems with the Texas Governor and the State of TX (TX Police, FBI, etc.), regardless would he be dismissed from his position or not. The corporate Author's website <http://syngasbiofuelsenergy.com> was destroyed by the person, the Attorney of Hirsch and Westheimer Law Firm, PC by the last name Levy on December 20, 2020. She belongs to the same family which owned or owns the grocery stores chain named "Fiesta" in Houston Texas. The Author was unable to find a lawyer in Texas to file the respective federal law suit and recover his corporate website, but the Author has the US Constitutional right to recite this website in the references herein. Therefore the Author has multiple legal problems with the State of Texas and the Author is going to resolve said legal problems at the respective Court level in the US to punish the State and its Governor. The market value of the Author currently is over \$1.5 trillion and it is growing daily (<https://www.mordorintelligence.com/industry-reports/gasoline-as-a-fuel-market/market-size>). The Author is already involved into the war which has been started by the International Petroleum Corporation SHELL. The Author has approached SHELL offering them for the commercialization the proprietary technology of Gasoline or Diesel fuel manufacture from the air CO₂, not from petroleum which SHELL and other international petroleum corporations use. SHELL representative met the Author, got his draft of the at that time in publication article on creation Gasoline from the air CO₂ [1,21–24,41,42]. Then SHELL hired two Mexicans to kill Dr. The Author in the car accident, paying the possibly around \$6,000 for this dirty job, which has been done in Houston TEXAS at the US59 down South (9494 Southwest Fwy). The Houston FBI and the Houston Police were contacted by the Author multiple times over his mobile phone however there was no any detailed and thorough Police or the FBI investigation of said attempted murder of the Author since as the Author trusts, both Houston FBI and Houston Police are totally corrupted by the international petroleum corporations. Therefore any law is not used in the State of Texas to hurt said corporations. Therefore the Author has to look for the law enforcement outside of the State of Texas, at the National level and he will do that to affect the Texas Governor Abbott for his actions of 2013 and have him resign from his position. Therefore the Author has conflict of interests with the State of Texas, TEXAS Governor Gregg Abbott, Texas FBI and Texas Police. Since that time more scientific publications of the Author on the Gasoline and Diesel fuel production from the air CO₂ came out [15–49]. The US patents are extremely expensive, therefore the Author uses instead of patents scientific publications. Publications are as good as the US patents, each the US patent has to claim something better than the Author already did in his scientific publications. The Author working on the Acetogens-biocatalysts has no any competition in the world because of his prior invention, the electroporation / electrofusion Generator, already sold as a sample (with no right for reproduction) to the US corporation BTX, Inc. / Genetronics, Inc. (San-Diego, CA). Said Generator and the invented by the Author genome tailoring technology make him proud to be with no any competition in the whole World. Mentioning of names Dr. Gak, Dr. Kiriukhin, Dr. Padda in certain publications herein and elsewhere (Tyurin MV, Padda RS. (2019) Nitrogen gas reducing commercial acetogen biocatalyst suitable for direct and selective reduction of CO₂ inorganic carbon to organic carbon and atmospheric nitrogen to fuel isobutanol during continuous fermentation of CO₂ + H₂ + N₂ gas blend. International Research Journal of Applied Sciences, Engineering and Technology. V.3, 4, 1 - 10; Tyurin MV, Padda R, Huang K-X, Wardwell S, Caprette D, Bennett GN (2000) Electrotransformation of *Clostridium acetobutylicum* ATCC 824 using high-voltage radio frequency modulated square pulses // J Appl Microbiol. 88(2):220-227; Gak E, Tyurin MV, Kiriukhin M (2014) Genome tailoring powered production of isobutanol in continuous CO₂ / H₂ blend fermentation using engineered acetogen biocatalyst. J Ind Microbiol Biotechnol. 41(5):763-781 <http://www.ncbi.nlm.nih.gov/pubmed/24659176>; Kiriukhin M, Tyurin MV, Gak E (2014) UV-induced mutagenesis in acetogens: resistance to methanol, ethanol, acetone, or n-butanol in recombinants with reduced genomes during continuous CO₂ / H₂ gas blend fermentation. World Journal of Microbiology and Biotechnology. 30(5):1559-1574. <https://link.springer.com/article/10.1007/s11274-013-1579-7>; Berzin V, Kiriukhin M., Tyurin M. (2012) Elimination of acetate production to improve ethanol yield during continuous synthesis gas fermentation by engineered biocatalyst *Clostridium* sp. MTEtOH550. Appl Biochem Biotechnol. 167 (2):338-347. <https://link.springer.com/article/10.1007/s12010-012-9697-5>; Berzin V, Tyurin M. (2012). Acetogen biocatalyst *Clostridium* sp. MTEtOH871 engineered with our proprietary electrotransformation technology and equipment: continuous synthesis gas fermentation for selective ethanol production. Journal of Biotech Research. 4:54-64; Berzin V, Kiriukhin M, Tyurin M. (2013) "Curing" of plasmid DNA in acetogen using microwave or applying an electric pulse improves cell growth and metabolite production as compared to the plasmid-harboring strain. Arch. Microbiol. 195(3), 181-188; Berzin V, Kiriukhin M, Tyurin M. (2013) Selective n-butanol production by *Clostridium* sp. MTButOH1365 during continuous synthesis gas fermentation due to expression of synthetic thiolase, 3-hydroxy butyryl-CoA dehydrogenase, crotonase, butyryl-CoA dehydrogenase, butyraldehyde dehydrogenase and NAD-dependent butanol dehydrogenase. Appl Biochem Biotechnol. 169(3), 950-959. <https://link.springer.com/article/10.1007/s12010-012-0060-7>; Berzin V, Kiriukhin M, Tyurin M (2013) Cre-lox66/lox71-based elimination of phosphotransacetylase or acetaldehyde dehydrogenase shifted carbon flux in acetogen rendering selective overproduction of ethanol or acetate. Appl Biochem Biotechnol. 195(3):181-8.

<https://link.springer.com/article/10.1007/s12010-012-9864-8>; Tyurin M, Kiriukhin M, Berzin V. (2012) Electrofusion of untreated cells of the newly isolated acetogen *Clostridium* sp. MT351 with integrated in the chromosome erm(B) or cat leading to the combined presence of these antibiotic resistance genes in the chromosome of the electrofusion products. Journal of Biotech Research. 4:1-12; Tyurin M, Kiriukhin M. (2013). Expression of amplified synthetic ethanol pathway integrated using Tn7-tool and powered at the expense of eliminated *pta*, *ack*, *spo0A* and *spo0J* during continuous syngas or CO₂ /H₂ blend fermentation. J Appl Microbiol. 114(4):1033-45. <https://ami-journals.onlinelibrary.wiley.com/doi/abs/10.1111/jam.12123>; Berzin V, Kiriukhin M, Tyurin MV (2012) Selective production of Acetone during continuous synthesis gas fermentation by engineered biocatalyst *Clostridium* sp. MAceT113. Letters of Appl Microbiol. 55(2):149-54. <https://doi.org/10.1111/j.1472-765X.2012.03272.x>. <https://ami-journals.onlinelibrary.wiley.com/doi/10.1111/j.1472-765X.2012.03272.x>; Tyurin MV, Kiriukhin M. (2013). Selective methanol or formate production during continuous CO₂ fermentation by the acetogen biocatalysts engineered via integration of synthetic pathways using Tn7-tool. World Journal of Microbiology and Biotechnology. 29 (9)1611-1623. <https://www.semanticscholar.org/paper/Selective-methanol-or-formate-production-during-CO2-Tyurin-Kiriukhin/84f55f6505b1757dcab27f93a532001f035eb53b>; Tyurin MV, Kiriukhin M (2013). 2,3-Butanediol production by engineered acetogen biocatalyst during continuous fermentation of syngas or CO₂/H₂ blend. Appl Biochem Biotechnol. 170 (6): 1503-1524. doi: 10.1007/s12010-013-0285-0; Kiriukhin M, Tyurin MV, Gak E (2014) UV-induced mutagenesis in acetogens: resistance to methanol, ethanol, acetone, or n-butanol in recombinants with reduced genomes during continuous CO₂ / H₂ gas blend fermentation. World Journal of Microbiology and Biotechnology. 30(5):1559-1574. <https://link.springer.com/article/10.1007/s11274-013-1579-7>; Kiriukhin M, Tyurin MV (2013) Mevalonate production by engineered acetogen biocatalyst during continuous fermentation of syngas or CO₂/H₂ blend. Bioprocess Biosyst Eng. 2014 Feb;37(2):245-260. doi: <https://pubmed.ncbi.nlm.nih.gov/24415498/>; Kiriukhin M, Tyurin MV (2013) Mevalonate production by engineered acetogen biocatalyst during continuous fermentation of syngas or CO₂/H₂ blend. Bioprocess Biosyst Eng. 2014 Feb;37(2):245-260. doi: <https://pubmed.ncbi.nlm.nih.gov/24415498/>; Gak E, Tyurin MV, Kiriukhin M (2014) Genome tailoring powered production of isobutanol in continuous CO₂ / H₂ blend fermentation using engineered acetogen biocatalyst. J Ind Microbiol Biotechnol. 41(5):763-781 <http://www.ncbi.nlm.nih.gov/pubmed/24659176>) has no practical authorship of said publications meaning since said individuals got paid by the Author significant amounts of cash for doing research for the Author per the topics he ordered them to investigate and provide the detailed reports to him. However their names are included in said specific publications since they have worked on said topics. Name of Vel G. Berzin is also included and has no scientific meaning since Mr. Berzin was a friend of the Author some time back, Mr. Berzin paid his own \$300 for starting the corporation Syngas Biofuels Energy, Inc. for which he did not provide any scientific input including the corporate website <http://syngasbiofuelsenergy.com>. Mr. Berzin has retired from the public life when he became 65 and he keeps his current location at the nursing home very confidential for the Author.

Funding: The Author has received no funding. The investors of the Author has read this article draft to his investors and they have decided not to include no funding information as they have stated to the Author. They stated the Author should write “No Funding” per this original article. *No funding. No funding was used to prepare and publish this original article.* The available investors have declined to provide their information for this publication. They have suggested to note that the article was prepared and published with no any funding source.

Authors' contributions: The Author has conducted all the experiments himself. The Author has planned, wrote this original article and edited the written text, including proper placement of the illustrations mentioned which the Author owns. The Author read, edited and approved the final manuscript. The Author is the only owner of all materials disclosed in this original article. The Author has plans to distribute his proprietary products after their approval as needed. The Author might be contacted for the data and materials at PO Box 300230, Houston, TX, 77230, drmttyurin76@outlook.com. The Author contributed to the study conception and design. Material preparation, data collection and analysis were performed by the Author. The first draft of the manuscript was written by the Author. The Author read and approved the final manuscript. The Author has designed the ideology of this article by himself. The Author intends to develop the detailed structure and location of his Carbon Negative corporations to be in charge for the establishing and running testing trials of his inventions he plans to commercialize additionally to his major business of manufacture of Carbon Negative fuels and Carbon Negative genetically engineered foods for the Nationwide distribution. The Author has conducted all the experiments himself. The Author has planned, wrote this original article and edited the written text, including proper placement of the illustrations mentioned which the Author owns. The Author read, edited and approved the final manuscript. The Author is the only owner of all materials disclosed in this original article. The Author has plans to distribute his proprietary products after their approval as needed. The Author might

be contacted for the data and materials at PO Box 300230, Houston, TX, 77230, drmtyrin76@outlook.com. The Author contributed to the study conception and design. Material preparation, data collection and analysis were performed by the Author. The first draft of the manuscript was written by the Author. The Author read and approved the final manuscript. The Author has designed the ideology of this article by himself. The Author intends to develop the special structure at his Carbon Negative corporations to be in charge for the establishing and running clinical trials of his inventions he plans to commercialize additionally to his major business of manufacture of Carbon Negative fuels and Carbon Negative genetically engineered foods for the Nationwide distribution. The Author conceived of the presented idea. The Author developed the theory and performed the computations. The Author verified the analytical methods. The Author investigated therapeutic effects of "Mixture" and supervised the findings of this work. The Author discussed the results and contributed to the final manuscript. The Author carried out the experiment. The Author wrote the manuscript. The Author supervised the project. The Author conceived the original idea. The Author supervised the project. The Author developed the theoretical formalism, performed the analytic calculations and performed the numerical simulations. The Author contributed to the final version of the manuscript. The Author supervised the project. The Author conceived and planned the experiments. The Author carried out the experiments. The Author planned and carried out the simulations. The Author contributed to sample preparation. The Author contributed to the interpretation of the results. The Author took the lead in writing the manuscript. The Author provided critical feedback and helped shape the research, analysis and manuscript. The Author designed the model and the computational framework and analyzed the data. The Author carried out the implementation. The Author performed the calculations. The Author wrote the manuscript. The Author conceived the study and were in charge of overall direction and planning. The Author designed and performed the experiments, derived the models and analyzed the data. The Author wrote the manuscript in consultation with other corporate employees, devised the project, the main conceptual ideas and proof outline. The Author worked out almost all of the technical details, and performed the numerical calculations for the suggested experiment. The Author worked out the bound for quantum mechanics. The Author analyzed the data. The Author wrote the paper. The Author designed and directed the project; the Author performed the experiments; the Author analyzed spectra; the Author. made the simulations; the Author developed the theoretical framework; the Author wrote the article. The Author performed the measurements. The Author. was involved in planning and supervised the work, the Author processed the experimental data, performed the analysis, drafted the manuscript and designed and made the figures.

Funding: The Author has received no funding. The investors of the Author has read this article draft to his investors and they have decided not to include no funding information as they have stated to the Author. They stated the Author should write "No Funding" per this original article. *No funding. No funding was used to prepare and publish this original article.* The available investors have declined to provide their information for this publication. They have suggested to note that the article was prepared and published with no any funding source.

Acknowledgements: The Author does have the other parties to acknowledge. Ms. Joany Kerr, the International Sales Director of BTX, Inc./ Genetronics, Inc., and the CEO of BTX, Inc./ Genetronics, Inc. Dr. Gunter A. Hoffman for giving to the Author his copy of the Electrofusion / Electrotransformation Generator prior to that sold to BTX, Inc./ Genetronics, Inc. The Author confirms herein the help of the Third Secretary of the US Embassy in Moscow at that time (1995) Mr. James Winkelman for his help to receive funds for the transportation of said Generator from Moscow to San-Diego via UPS in 1995. The Author herein confirms help of Dr. Nikita Tamm from the Moscow State University for his help in receiving cash in \$ in Moscow, the Russian Federation, from San-Diego, CA in 1995.

Originality-Significance Statement: The Author has wrote this original article based on his originality of the business approach and the existing resistance of the International Petroleum corporation to the technology of manufacturing carbon negative fuels to replace their production of fuels originating from petroleum. The reduction of the air CO₂ levels towards the pre-petroleum era of the year 1900 is paramount, since our planet looses fresh water to the outer Space vacuum. NASA has confirmed that in 2010 stating that the Earth has reached the "Point of No Return" to the healthy environmental conditions suitable for life on our planet. The new family of the gas stations selling not only Carbon Negative fuels but also foods for cooking at home and commodity chemicals for the households will save a lot of time for the customers of said new gas stations. **The Author** Dr. Michael V. Tyurin is the Author of this original article. In 2017 after tragic death of his wife Prof. Dr. Tyurina Aleksandra Nicolaevna his father Prof. Dr. Tyurin Vladimir Inljich decided to change his first name from "Vladimir" to "Vladislav". Therefore the Author Dr. MV Tyurin had to change his second name from "Vladimirovich" to "Vladislavovich". ORCID # is 0000-0001-6943-6556. *Contact address:* Dr. Michael Vladislavovich Tyurin, CEO, Executive Chairman,

President Microbial Biocatalyst International, Inc. and Inorgcarbodiesel, Inc. PO Box 300230, Houston, TX 77230.
Contact Email drmttyurin76@outlook.com.

References

1. Tyurin MV (2023) Carbon Negative Gasoline and Diesel Fuels replacements. Carbon Negative Gasoline and Diesel fuel replacements - Dr. Michael Tyurin - Page 1 - 38 | Flip PDF Online | PubHTML5. <https://pubhtml5.com/pjwce/chwb/basic/>.
2. Tyurin MV (2023) Carbon Negative Replacements of Gasoline and Diesel fuel. Carbon Negative Replacements of G and D fuels - Dr. Michael Tyurin - Page 1 - 31 | Flip PDF Online | PubHTML5.
3. Tyurin MV (2023) Carbon Negative Gasoline and Diesel Fuel Replacements. Clinical Medicine Insights. 04(03) 396-414.
4. Tyurin MV (2023) Carbon Negative Gasoline and Diesel fuel replacements: Mesityl oxide, Diacetyl alcohol, fuel Isobutanol and their mixtures as the Carbon Negative fuels. Clinical Medicine Insights.6(264)264,234-239 ISSN: (Online) 2694-4626.dici
5. Tyurin MV (2023) Gasoline Replacements Carbon Negative Diacetyl Alcohol and Isobutanol. Space Science Journal. V 1, Issue 1, 1-7.
6. Tyurin MV (2022) Air CO₂ for the manufacture of the fuels. Diesel fuel Diacetyl alcohol. Irish International Journal of Engineering and Applied Sciences. V.6 (02) 12-24.
7. Tyurin MV (2022) Carbon Negative Gasoline replacement. Advance Journal of Science, Engineering and Technology. V.7 (3),1-7.
8. Tyurin MV (2022) Air CO₂ for the manufacture of fuels. Diesel fuel Diacetyl Alcohol. Irish International Journal of Engineering and Applied Sciences Irish J. Eng. A. Sci. v.6(02),12-24.
9. Tyurin MV (2022) Diesel fuel or gasoline replacement diacetyl alcohol. Gasoline replacement fuel Isobutanol or Diacetyl alcohol. Air CO₂ for the Manufacture of the Fuels. Oil and Gas Research. 96, V.3 (12), 234-248.
10. Tyurin MV (2022) Air CO₂ for the Manufacture of the Commodity Fuels; Diesel Fuel Replacement and Gasoline Replacement Carbon Negative Diacetyl Alcohol - Breakdown of Gasoline and Diesel Fuel Prices at the Gas Stations. Fuel. 82, 388-392. Air CO₂ for manufacture of the fuels: Diesel fuel or gasoline replacement diacetyl alcohol Gasoline replacement fuel isobutanol or diacetyl alcohol: Tyurin, Michael: 9786204749587: Amazon.com: Books.
11. Tyurin MV (2021) Gasoline and Diesel Fuel Replacement Fuel Diacetyl Alcohol. International Journal of Automotive Technology. Volume 23(1), 23-46.
12. Tyurin MV (2021) Air CO₂ for the Manufacture of the Commodity Fuels. Atmospheric Pollution Research. 13(4), 77-94.
13. Tyurin MV (2021) Diacetone Alcohol as the Diesel. Alternative Energies Efficiency Evaluation. Ed.: Dr. Muhammad Wakil Shahzad. IntechOpen. Rijeka: Janeza Trdine 9, 51000 Rijeka, Croatia. London: 5 Princess Gate Court, London, SW7 2QJ, UK. <https://www.intechopen.com/books/10687>.
14. Tyurin MV, Padda RS. (2019) Nitrogen gas reducing commercial Acetogen biocatalyst suitable for direct and selective reduction of CO₂ inorganic carbon to organic carbon and atmospheric nitrogen to fuel isobutanol during continuous fermentation of CO₂ + H₂ + N₂ gas blend. International Research Journal of Applied Sciences, Engineering and Technology. V.3, 4, 1 - 10.
15. <https://patents.google.com/patent/US1550792A/en>
16. US patent 3,385,896. Production of Mesityl oxide. 1968.
17. Tyurin MV (2024) Method of Extraction of Biofuels from Fermentation Fluids Used for Their Manufacture. International Journal of Development Research (ISSN No: 2230-9926). Vol. 14, Issue 05, Paper Id: 28292, pp 784-796.
18. <http://syngasbiofuelsenergy.com>.
19. https://www.fueleconomy.gov/Feg/bymodel/2024_Porsche_Cayenne.shtm.
20. https://www.autoblog.com/buy/2024-RAM-1500-Big_Horn_Lone_Star_4x4_Crew_Cab_153.5_in._WB/review/#:~:text=EPA-estimated%20fuel%20economy%20is%20stated%20at%2020%20miles,Chevy%E2%80%99s%20base%20turbo-four%20engine%29%2C%20and%2019%2F24%2F21%20with%204WD.
21. [https://www.bing.com/search?q=2024+Toyota+Camry+\(FWD\)+mpg&cvid=a2768978eb8845148cd222c674c4acbf&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIGCAEQABhAMgYIAhAAGEAyBggDEAAYQDIGCAQQABhAMgYIBRAAGEAyBggGEAAYQDIGCAcQABhA0gEINDI4MmowajSoAgCwAgA&FORM=ANAB01&PC=U531](https://www.bing.com/search?q=2024+Toyota+Camry+(FWD)+mpg&cvid=a2768978eb8845148cd222c674c4acbf&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIGCAEQABhAMgYIAhAAGEAyBggDEAAYQDIGCAQQABhAMgYIBRAAGEAyBggGEAAYQDIGCAcQABhA0gEINDI4MmowajSoAgCwAgA&FORM=ANAB01&PC=U531).
22. [https://www.bing.com/search?q=2024+Toyota+Camry+\(FWD\)+mpg&cvid=a2768978eb8845148cd222c674c4acbf&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIGCAEQABhAMgYIAhAAGEAyBggDEAAYQDIGCAQQABhAMgYIBRAAGEAyBggGEAAYQDIGCAcQABhA0gEINDI4MmowajSoAgCwAgA&FORM=ANAB01&PC=U531](https://www.bing.com/search?q=2024+Toyota+Camry+(FWD)+mpg&cvid=a2768978eb8845148cd222c674c4acbf&gs_lcrp=EgZjaHJvbWUyBggAEEUYOTIGCAEQABhAMgYIAhAAGEAyBggDEAAYQDIGCAQQABhAMgYIBRAAGEAyBggGEAAYQDIGCAcQABhA0gEINDI4MmowajSoAgCwAgA&FORM=ANAB01&PC=U531).

23. <https://www.machaikhouston.com/new-Houston-2024-RAM-1500-Lone+Star+4x2+Quad+Cab+64+Box-1C6RREBG6RN100504#:~:text=Boasts%2025%20Highway%20MPG,and%2020%20City%20MPG%21>.
24. Berzin V, Kiriukhin M, Tyurin M. (2013) Selective n-butanol production by *Clostridium* sp. MTButOH1365 during continuous synthesis gas fermentation due to expression of synthetic thiolase, 3-hydroxy butyryl-CoA dehydrogenase, crotonase, butyryl-CoA dehydrogenase, butyraldehyde dehydrogenase and NAD-dependent butanol dehydrogenase. *Appl Biochem Biotechnol*. 169(3), 950-959. doi: 10.1007/s12010-012-0060-7.
25. Tyurin MV (2024) Carbon Negative genetically engineered foods with potato, tomato, pepper and eggplant genes. v.2(1),22-36.
26. Tyurin MV (2024) Electrotransformation of *Boletus edulis*. *J Diabetes Res Reviews and Reports*. v.2(1),1-7.
27. Tyurin MV (2024) Carbon Negative Genetically Engineered Foods with Recombinant Genes for Humankind. *J Diabetes Res Reviews and Reports*. v.2(1),37-50.
28. Tyurin MV (2024) Wheat recombinant genes expressed in *Boletus edulis*. *J Diabetes Res Reviews and Reports*. v.2(1),51-64.

Disclaimer/Publisher's Note: The statements, opinions and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of MDPI and/or the editor(s). MDPI and/or the editor(s) disclaim responsibility for any injury to people or property resulting from any ideas, methods, instructions or products referred to in the content.