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(RESEARCH ARTICLE)



## Stopping of ammonia addition to the exit gas can stop global warming

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### Abstract

Global warming is caused by the elimination of NO<sub>x</sub>. NO<sub>x</sub> elimination decrease CO<sub>2</sub> assimilation, CO<sub>2</sub> fix and heat absorption. Lack of N is caused by the elimination of NO<sub>x</sub>. Global warming will stop if developed countries stop the elimination of NO<sub>x</sub>. CO<sub>2</sub> assimilation will be activated and global warming will stop. But developed countries hated NO<sub>x</sub> and are eliminating NO<sub>x</sub> by the reaction with ammonia Amount of NO<sub>x</sub> is much and amount of ammonia is much Much money is necessary to prepare ammonia. Much CH<sub>4</sub> is necessary to prepare hydrogen. Toxicity of NO<sub>x</sub> is almost zero and NO<sub>x</sub> is good fertilizer. NO<sub>x</sub> should be released without adding ammonia

**Keywords:** NO<sub>x</sub>; CO<sub>2</sub> assimilation; NO<sub>x</sub> elimination by ammonia; Carbon neutral; Global warming; GWPR

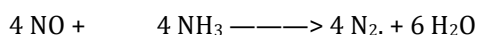
### 1. Introduction

: Global warming is in progress. CO<sub>2</sub> concentration is increasing 20 ppm every year. Increase of CO<sub>2</sub> is caused by the decrease of CO<sub>2</sub> assimilation. Decrease of CO<sub>2</sub> assimilation is caused by the lack of nitrogen (N) and phosphorous (P). Lack of nitrogen is caused by the elimination of NO<sub>x</sub> by the insertion of ammonia into exit gas. By the decrease of N,P concentration, growth of plankton decreased. Fish production of Japan decreased from 12 million tone to 4 million tone. Author suggested that NO<sub>x</sub> is good fertilizer NO<sub>x</sub> should be released as it is. CO assimilation is best method to fix CO<sub>2</sub> by 60 papers (ref 1-60). But Japan government do not follow my opinion and continuing NO<sub>x</sub> elimination. Then author presented petition (61) to Tokyo regional court on June 20 to ask the stopping of NO<sub>x</sub> elimination. and asked closure of waste water clean center.

The petition is rejected on July 20 by the reason that global warming problem is not subject of civil struggle based on law.. I appealed on July 26. This paper is based on this appeal

NO<sub>x</sub> is non toxic good fertilizer. NO<sub>x</sub> is essential for CO<sub>2</sub> assimilation. NO<sub>x</sub> should not be eliminated.

Conference of 7 developed countries decided the elimination of NO<sub>x</sub> in exit gas They eliminate NO<sub>x</sub> by the reaction with ammonia.



50 mill t      28.33 mill t

Japan Government decided complete elimination of NO<sub>x</sub> setting a rule that all factory must [eliminate NO<sub>x</sub> by adding ammonia. If NO<sub>x</sub> is detected at exit gas, government can stop the factory. Japan government renewed 1300 garbage

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burning funeral to new funnel equipped with ammonia addition facility. In 2011, east Japan earth quake had happed and large amount of rubble must be burned at new funnel we must transfer rubber to far from earth quake center.

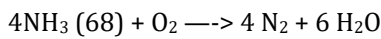
In Kamakura Japan, there is Nagoshi garbage burning center.30 thousand ton garbages is burned and 45 thousand ton CO<sub>2</sub> is produced. 40.04 kg ammonia is used to eliminate 72.25 kg NO<sub>x</sub>. Population of Kamakura is 172 thousand. Population of Japan is 12000thousand. Then 5041 kg ammonia is used to eliminate NO<sub>x</sub>. 8897 kg NO<sub>x</sub> is eliminated

If we do not add ammonia at garbage burning center 5041 kg ammonia fertilizer and 8897 kg NO<sub>x</sub> (5040+8897 = 13938 kg) fertilizer is supplied at sea and land of Japan and 13938x 25= 3484500 kg CO<sub>2</sub> assimilation product like plankton , 3484500 x1/10 kg fish will be produced.

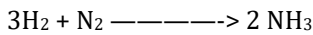
NO<sub>x</sub> elimination by burning funeral started at 2008. Production of ikanago at Hyougo Prefecture in Japan was 7000 ton before 1990, 2000 ton after 2010. Bon fir , burning of garden tree are prohibited by the reason of NO<sub>x</sub> generation. Nitrogen concentration in rain water become zero. Much fertilizer become necessary for production of grain. And un cultivated land increased.

In Japan 125 million tone CO<sub>2</sub> and 1250x1/25= 50 million tone NO<sub>x</sub> (90 % is NO) is produced.

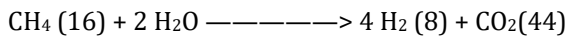
50 million tone NO<sub>x</sub> is eliminated by 28.33 million tone NH<sub>3</sub> 28.33 million tone NH<sub>3</sub> 4 NO (molecular weight x4=120) +



50 mill t                      28.33 mill t  
To make 28.33 mill tone ammonia, 5 mill t hydrogen is used.



5 mill t                      28.33 mill t  
To make 5 mill t H<sub>2</sub>, 10 mill t CH<sub>4</sub> is used and 27.5 mill t CO<sub>2</sub> is produced



10 mill t      5 mill t                      27.5 mill t

Japan is eliminating 50 mill t NO<sub>x</sub>

If Japan do not eliminate NO<sub>x</sub>, by ammonia 28.33 mill tone , ammonia , 28.33 billion \$ is unnecessary to spend.. Import of 10 million tone CH<sub>4</sub> become unnecessary.. 22.5 million tone CO<sub>2</sub> will not produce.

50 million tone NO<sub>x</sub> can fix 50 mill t x 25 = 1250 mill t CO<sub>2</sub>.

CO<sub>2</sub> grow plankton 2/3 of his weight (30 1/6 of molecular weight C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> /44 CO<sub>2</sub> molecular weight). Fish grow by eating 10 times of plankton. 10 bill t CO<sub>2</sub> fix mean 10x 3/4x1/10 = 7.5 bill kg fish production. Fish price is 2 \$ per kg. 2x 75 bill = 150 billion &. =1633 mill \$. But by the elimination of NO<sub>x</sub>, 150 billion \$ fish was not produced. Japan was producing 12 mill t fish and 4 mill t rice before 1980 at that time no elimination. By the elimination of NP only 4 million fishes were produced. Fisherman 388990 in 1963 decreased to 151700 in 2018. Country region is suffering from depression and depopulation. GDP does not increase since NP elimination has started. The elimination of NP influence not only warm up earth but also give significant bud influence on economy. The law to eliminate NO<sub>x</sub> by blow in ammonia to the exit gas and to eliminate NP in waste water should stop sooner. If the law is eliminated and sufficient nitrogen is supplied, fish prediction will increase and GDP will increase.

CO<sub>2</sub> produced at developed countries is around 10 billion tone. And around 10x 1/25 = 4 hundred million tone NO<sub>x</sub> is produced. To eliminate this NO (90% of NO<sub>x</sub> is NO), 226 million tone ammonia NH<sub>3</sub> is used.

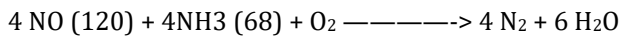
Therefore I am proposing the plan to stop global warming by stopping the addition of ammonia to the exit gas (ref 50,51,52,58,59,60). But no company stop the addition of ammonia.

Because developed countries government set up unreasonable law. NO<sub>x</sub> should be zero at exit gas. Law is stopping ammonia insertion and 50 million tone NO<sub>x</sub> is destroyed and plant cannot grow and production of fish and grain is

reduced and GDP do not increase. The author are insisting the stop of poor law and arrow stopping of ammonia addition and promote global warming.

CO<sub>2</sub> produced at developed countries is around 10 billion tone. And around  $10 \times \frac{1}{25} = 4$  hundred million tone NO<sub>x</sub> is produced. To eliminate this NO (90% of NO<sub>x</sub> is NO), 226 million tone ammonia NH<sub>3</sub> is used. Amount of NO<sub>x</sub> is so much. Elimination of NO<sub>x</sub> use much ammonia and natural gas. These decision give great damage for agriculture and fish industry , GDP and protection of global warming.

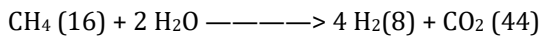
NO<sub>x</sub> is eliminated by ammonia. Ammonia is produced by the reaction of nitrogen and hydrogen. Hydrogen is produced by the reaction of methane with water.



400 mill t    226.7 mill t

To make 226.2 mills NH<sub>3</sub>, 400 mill t H<sub>2</sub> is used.

To make 400 mill tone H<sub>2</sub>, 80000 mill t CH<sub>4</sub> is used. And 220 mill t CO<sub>2</sub> is produced.



8000 mill t                      400 mill t    220 mill t

Government of developed country asked the addition of ammonia to the exit gas of factory by the ratio of 400 mill tone NO<sub>x</sub> to 226.7 mill tone ammonia If factory do not follow this rule, they cannot operate the factory Amount of NO<sub>x</sub> and ammonia is huge. Japan is keeping this arrangement most honestly. Then NO<sub>x</sub> concentration in exit gas of Japan is lowest 0.1 g/kWh ,USA is 0.5 g/kWh ,Germany 0.31 g/kWh and China,India, Indonesia (no NO<sub>x</sub> elimination country) are 1.6 g/kWh.. GDP ratio 2021/1991 USA is 3.2, Japan 1.1, Germany 4.3, Developed countries use much fossil to eliminate NO<sub>x</sub> The price of electricity is high and productive industry moved to developing countries. These countries increased GDP. 2021/1991 China 51.1,India 11.1. No NO<sub>x</sub> elimination country use NO<sub>x</sub> as fertilizer and getting much food and fixing all CO<sub>2</sub> produced at his country. GWPR of developed countries is over 1. Japan is 3.3. and criticized as carbon country. The price of electricity differ greatly by doing NO<sub>x</sub> elimination or not. Developing country like China 1.4-4.3 c/kWh, India, 6 c /kWh,Indonesia 10 c/ kWh. Developed countries who eliminate NO<sub>x</sub> USA 10 c/kWh, Japan 24 c/kWh,Germany 33 c/kWh,UK 15.4 c/IWh,Italy 28 c/kWh.

If developed country stop the addition of ammonia to the exit gas, 226.2 million tone ammonia 226 billion \$ addition become unnecessary. Just stop the ammonia addition, such big money is saved.

Consumption of 8000 million tone CH<sub>4</sub> can be saved. And emission of 220 million tone CO<sub>2</sub> can be saved. And 400 mill t x 25 = 10 billion t CO<sub>2</sub> can be fixed. Accordingly 220 mill t + 10 bill t = 10.22 billion tone CO<sub>2</sub> can be fixed. CO<sub>2</sub> em addition of developed countries is 10 billion tone. GWPR (CO<sub>2</sub>em)/ (CO<sub>2</sub>fix) = 1.

Therefore, CO<sub>2</sub> increase is zero. 10.22 billion Tone CO<sub>2</sub> produce plant like wheat. CO<sub>2</sub> produce plant  $\frac{2}{3} \frac{30(1/6 \text{ of molecular weight of } \text{C}_6 \text{ H}_2\text{O } 06) /44 \text{ Molecular weight of } \text{CO}_2)}{\text{weight of his weight}}$ . Wheat contain  $\frac{2}{3}$  straw of his weight Wheat grain will be about  $\frac{1}{3}$  weight of plant. 10.22 billion Tone CO<sub>2</sub> can afford  $10.22 \text{ billion} \times \frac{30}{44} \times \frac{1}{3} = 2.32 \text{ billion tone grain}$ . 1kg wheat is 1.5 \$ 2.32 billion kg wheat is 3.48billion \$. Therefore, if developed country do not eliminate NP. 2.32 billion Tone wheat. 3.48 billion\$ is produced. GDP will increase. Economy of developed country will become much better. And global warming will not happen

Heat balance. Heat absorption by CO<sub>2</sub> assimilation is balancing with heat production(Ref 29)

On earth 14 billion tone fossil fuel is burned and CO<sub>2</sub>  $3.6 \times 10^{10}$  t was produced. And  $7.4 \times 10^{15}$  kcal is produced. When we consider the heat produced by animal respiration,  $7.4 \times 10^{15}$  kcal x 4.6/3.6 =  $9.45 \times 10^{15}$  kcal is produced.

The earth is also warmed by the heat of atomic energy. Uranium produce  $2 \times 10^{15}$  kcal heat. Electricity generation capacity of the world is 16868 Tetra watt h. Electricity generation by atomic energy is 2086 Tetra watt h. Therefore,  $7.4 \times 10^{15} \times \frac{2986}{10868} = 2.02 \times 10^{15}$  kcal evolved by atomic energy.

The earth is also warmed by the heat evolved by animal. Human being eat 1000 kcal food every day and release heat 1000 kcal every day. Population of the world is 7.6 billion. Therefore, human being is releasing  $1000 \times 365 \times 76 \times 10^9 = 2.8 \times 10^{16}$  kcal in one year. Animal other than human being, cow, bird, whales, seal are producing heat. We can estimate as same as human being  $2.8 \times 10^{16}$  kcal. Therefore, total heat is

fossil burning produce  $7.4 \times 10^{16}$  kcal, atomic energy produce  $2.02 \times 10^{15}$  kcal. Human being produce  $2.8 \times 10^{16}$  kcal. Other animal produce  $2.8 \times 10^{16}$  kcal

Total heat produced is  $(7.4 + 0.202 + 2.8 + 2.8) \times 10^{16} = 13.002 \times 10^{16}$  kcal. We must absorb  $13.002 \times 10^{16}$  kcal by CO<sub>2</sub> assimilation. CO<sub>2</sub> 1 mole 44g and water 18 g absorb 114 kcal sun's heat to carbohydrate and 32 g oxygen. If 51 billion t,  $5.1 \times 10^{16}$  g CO<sub>2</sub> do CO<sub>2</sub> assimilation,  $114 \times 5.1 \times 10^{16} / 44 = 13.136 \times 10^{16}$  kcal can be absorbed. Heat production  $13.002 \times 10^{16}$  kcal is almost same as heat absorption  $13.136 \times 10^{16}$  kcal.

CO<sub>2</sub> assimilation must be promoted by stopping of NO<sub>x</sub> elimination and by stopping waste water purification. By stopping NO<sub>x</sub> elimination. 1.44 billion tone NO<sub>x</sub> can fix  $14.4 \times 25 = 36.0$  billion tone CO<sub>2</sub>. Amount of N.P in drainage is around 0.5 billion tone. By using this 0.5 billion tone N.P, we can fix  $0.5 \times 25 = 12.5$  billion tone CO<sub>2</sub>. By adding  $36.0 + 12.5 = 48.5$  billion tone CO<sub>2</sub> can be fixed. And we can absorb  $13.1 \times 10^{16}$  kcal. And earth can keep comfortable temperature. Heat absorption by CO<sub>2</sub> assimilation is essential to lower earth temperature. Therefore CO<sub>2</sub> assimilation must be accelerated by stopping the insertion of ammonia to exit gas

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## 2. Conclusion

Stopping of ammonia addition to the exit gas to eliminate NO<sub>x</sub> and stopping of NP elimination in waste water can activate CO<sub>2</sub> assimilation and can produce much grain and fish and can get high GDP and growth.

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## Compliance with ethical standards

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## References

- [1] Shoichiro Ozaki Recycle of nitrogen and phosphorous for the increase of food production. New Food Industry 1993 35, No 10 33-39.
- [2] Shoichiro Ozaki. Methods to protect global warming. Adv Tech Biol Med. 2016, 4. 181
- [3] Shoichiro Ozaki. Methods to protect global warming, Food production increase way. New Food Industry 2016 58 No 8 47-52.
- [4] Shoichiro Ozaki. Global warming can be protected by promotion of CO<sub>2</sub> assimilation using NO<sub>x</sub>. Journal of Climatology & Weather Forecasting 2016 4.2 1000171.
- [5] Shoichiro Ozaki. Global warming can be protected by promotion of plankton CO<sub>2</sub> assimilation. Journal of Marine Science: Research & Development 2016 6. 213.
- [6] Shoichiro Ozaki Method to reactivate fish industry. New Food Industry 2017 59 No 3 61-70.
- [7] Shoichiro Ozaki. NO<sub>x</sub> is Best Compound to Reduce CO<sub>2</sub>. Eur J Exp Biol. 2017, 7:12.
- [8] Shoichiro. Ozaki Protection of global warming and burn out of fossil fuel by promotion of CO<sub>2</sub> assimilation. J. of Marine Biology & Oceanography 2017, 6:2.

- [9] Shoichiro. Ozaki Promotion of CO<sub>2</sub> assimilation supposed by NO<sub>x</sub> is best way to protect global warming and food production. *Artiv of Pet-Envilron Biotechnol* 2017 02.110.
- [10] Shoichiro Ozaki. Promotion of CO<sub>2</sub> assimilation supported by NO<sub>x</sub> is best way to protect global warming. *J. Marine Biol Aquacult* 2017 vol 3. Issue 2.
- [11] Shoichiro Ozaki. Stopping of NO<sub>x</sub> elimination is easy way to reduce CO<sub>2</sub> and protect global warming. *J. Environ Sci Public Health* 2017:1 (1) 24-34.
- [12] Shoichiro Ozaki. Stopping of NO<sub>x</sub> elimination is clever way to reduce CO<sub>2</sub> and to increase fish production. *J. of Cell Biology* 6 Immunogy 2017 1e 102.
- [13] Shoichiro Ozaki Effective uses of NO<sub>x</sub> and drainage are clever way to protect global warming and to increase fish production. *Oceanography & Fisheries* 2017 4(4).
- [14] Shoichiro Ozaki. NO<sub>x</sub> Elimination and Drainage NP Elimination should be stopped for the production of fish and for the protection of global warming. *J. of Fisheries and Aquaculture Development* 2017 issue 05 125.
- [15] Shoichiro Ozaki. Let's enjoy civilized life using limited amount of fossil fuel *Journal of Aquaculture & Marine Biology* 2017 6 (3) 06 00158.
- [16] Shoichiro Ozaki Method to fit Paris agreement for protection of global warming. *International Journal of Waste Resources* 2017 7-4 318 doi: 10.4172/2252-5211.1000318.
- [17] Shoichiro Ozaki. Method to protect global warming and to produce much fish by promotion of plankton growth. *New Food Industry* 2018 60 no3 88-94.
- [18] Ozaki Shoichiro. Method to protect global warming by promotion of plankton CO<sub>2</sub> assimilation. *Rikuryou Science* 2018 61 23.
- [19] Shoichiro Ozaki. Effect of NO<sub>x</sub> elimination on electricity price, fish production, GDP and protection of global warming. *International J of Waste Resources* 2018 8 issue 1 1000328 doi:10.4172/2252-1000328.
- [20] Shoichiro Ozaki. How to fix carbon dioxide same amount as emission for the protection of global warming. *Research & Development in Material Science* 2018 vol 3 issue 5.
- [21] Shoichiro. Ozaki Stop of NO<sub>x</sub> elimination and stop of wast water purification are easy methods to protect global warming. *J of Immunology and Information Diseases Therapy* 2018 1 1 doi.org/06.2018/1.10006.
- [22] Shoichiro Ozaki. Climate can be regulated by effective use of NO<sub>x</sub> and wastewater NP. *2018 Biomedical Research and Reviews* volume 1.1.
- [23] Shoichiro Ozaki. Promotion of Plankton CO<sub>2</sub> assimilation by effective use of NO<sub>x</sub> and NP is best method to produce much fish and protect global warming. *2018 J of Marine Science Research and Oceanography* Volume 1 issue 1. 1 doi:10.4172/2155-9546-c1-022.
- [24] Shoichiro Ozaki. Promotion of plankton CO<sub>2</sub> assimilation by NO<sub>x</sub> is best way to protect global warming and to get best climate. *International J of Earth and environmental Science* 2018 3 160.
- [25] Shoichiro Ozaki. Promotion of plant growth by NO<sub>x</sub> is best method to reduce CO<sub>2</sub> and to protect global warming. *Current Trends in Oceanography and Marine Science* 2018 01 1-4.
- [26] Shoichiro Ozaki. Fish is best food to get anti-aging and long life. NO<sub>x</sub> elimination should be stopped to produce much fish and to protect global warming *Jacobs Journal of physiology* 2018 4.1 017
- [27] Shoichiro Ozaki. Fish is Best Food to Get Anti-Aging and Long Life. *J of Aging and Neuropsychology* 2018 issue 2 1-6 DOI: <http://dx.doi.org/10.20431/2454-7670.0501001>.
- [28] Shoichiro Ozaki. NO<sub>x</sub> and NP in waste water fix CO<sub>2</sub> and control global warming and climate. *International J of Biochemistry and Physiology* 2018 3 (4) doi: 10.23880/ijbp-16000140.
- [29] Shoichiro Ozaki. The effect of of increase of NO<sub>x</sub> and CO<sub>2</sub> on grain and fish production, protection of global warming and climate. *International Journal of Earth Science and Geology* 2019 1(1) 6-10.
- [30] Shoichiro Ozaki. Complete use of NO<sub>x</sub> and NP is essential for the increased production of food and protection of global warming. *Inter. J. Innovative Studies in Aquatic Biology and Fisheries* 2019 3 (1) 1-6.
- [31] Shoichiro. Ozaki. Why global warming is progressing. Promotion of CO<sub>2</sub> assimilation is best method to protect global warming. *Rikuryou Science* 2019 62 16-18.

- [32] Shoichiro Ozaki Complete use of NO<sub>x</sub> and NP is essential for the increased production of food and protection of global warming. *Inter.J. Innovative Studies in Aquatic Biology and Fisheries* 2019 3 (1) 11-15
- [33] Shoichiro Ozaki. Increase of CO<sub>2</sub> and NO<sub>x</sub> promote CO<sub>2</sub> assimilation, CO<sub>2</sub> fix and food production. *Advances in Bioengineering & Biomedical Science Research* 2019 2 issue 3 1-6.
- [34] Shoichiro Ozaki. Promotion of CO<sub>2</sub> assimilation by effective use of NO<sub>x</sub> and NP is best method to produce much fish and protect global warming. *EC Agriculture* 2019 5: Issue 8, 492-497.
- [35] Shoichiro Ozaki. Why fish production of Japan decreased. Why global warming is progressing. *New food Industry* 2019 Vol 61 No 10 787-793.
- [36] Shoichiro Ozaki. In pure water no fish can live. Water purification promote global warming, decline of countries. *Rikuryou Science* 2020 63 24-29.
- [37] Shoichiro Ozaki. NO<sub>x</sub> elimination and NP elimination are promoting global warming. *EC Agriculture* 2020 6.1 1-8.
- [38] Shoichiro Ozaki. Purification of water and air is promoting global warming and country decline. *Journal of Marine Science and Oceanography* 2020 3 issue 1 1-4.
- [39] Shoichiro Ozaki Relation of London Dumping Convention and Global Warming. If Developed Countries stop NP and NO<sub>x</sub> Elimination, CO<sub>2</sub> Assimilation Increase and Global Warming Will Stop. *International J of Pollution Research* 2020 3 115-119.
- [40] Shoichiro Ozaki. Global warming will stop, if developed countries stop NO<sub>x</sub> and NP elimination. *J. of Environmental Sci. Current Research* 2020 3.022.
- [41] Shoichiro Ozaki. Stopping of NO<sub>x</sub>, NP Elimination at developed countries is easy method to protect global warming. *J Bacteriology and Myology* 2020 7 (4) 1137.
- [42] Shoichiro Ozaki. In pure water no fish can alive. Water purification promote global warming and decline region and countries. *New Food Industry* 2020 62 (8) 615-620.
- [43] Shoichiro Ozaki. Promotion of recycle of carbon, nitrogen and phosphorous is essential for protection of global warming and increase of national wealth. *American J of humanities and Social Science* 2020 Vol 5 Page 01:13.
- [44] Shoichiro Ozaki. Stopping of NO<sub>x</sub> and NP elimination at developed countries is essential for the promotion of food production and protection of global warming. *J of Soil Science and Plant Physiology* 2020 2 (2) 1-10.
- [45] Shoichiro Ozaki. Promotion of CO<sub>2</sub> assimilation by stopping NO<sub>x</sub>, NP elimination is best method to produce much food and to protect global warming. *American J of Engineering, Science and Technology* 2020 vol 5 1-15.
- [46] Shoichiro Ozaki. Stopping of NO<sub>x</sub>, NP elimination is easy method to protect global warming. *J of Research in Environmental and Earth Science* 2020 6 issue 6 12-21.
- [47] Shoichiro Ozaki. Method to protect global warming to fit Paris agreement and to enrich the countries. *Rikuryou Science* 2021 64 32-38.
- [48] Shoichiro Ozaki Method to protect global warming and to get long life *International Journal of Clinical Case Reports* 2020; 8(2) 002-16 DOI: 10.46998//IJCCR.2020.08.000182
- [49] Shoichiro Ozaki Aquaculture of plankton and fish by fertilizer is best way to protect global warming *Acta Scientific Biotechnology* 2021 2.1 13-22
- [50] Shoichiro Ozaki Promotion of CO<sub>2</sub> assimilation by NO<sub>x</sub>, NP is easy method to protect global warming to get high GDP Open access Research *J of Biology and Pharmacy* 2021 02 (02)063-086 Article Doi: <https://doi.org/10.53022/oarjbp.2021.2.2.0047>
- [51] Shoichiro Ozaki Promotion of CO<sub>2</sub> assimilation by sufficient supply of nitrogen and phosphorous is easiest method to fit Paris agreement and to protect global warming and to get national wealth *International Journal of Science and Research Archive*, 2021,04(01),092-105 Article Doi:<https://doi.org/10.30574/ijsra.2021.4.1.0187>
- [52] Shoichiro Ozaki. Stop NO<sub>x</sub>, NP elimination and promotion of CO<sub>2</sub> assimilation will stop Ozaki Increase of CO<sub>2</sub> and fit Paris agreement and increase food and enrich country. *Rikuryou Science* 2022 65 37-47
- [53] Shoichiro Ozaki Recycle of nitrogen, phosphorous is essential for protection of global warming. *World J of Advanced Science and Technology* 2022, 01(01),015-030

- [54] Shoichiro Ozaki Method to achieve carbon neutral and to fit Paris agreement and to protect global warming. World J of Advanced Science and Technology 2022,02(01)022-031
- [55] Shoichiro. Ozaki Sure method to protect global warming and to increase GDP New Food Industry 2022 64(12) 799-802
- [56] Shoichiro Ozaki Environmental measures inhibit CO<sub>2</sub> assimilation, inhibit food production, make worse economy and promoting global warming GSC Advanced Research and Reviews, 2022, 13(02), 245-257
- [57] Shoichiro Ozaki Environmental measures, inhibit food production, make worse economy and promoting global warming Rikuryou Science 2023 66 35-42. 58.
- [58] Shoichiro Ozaki Stopping of NO<sub>x</sub>, NP elimination is easiest method to stop global warming. International Journal of Scientific Research Updates 2023 05(01).067-078
- [59] Shoichiro Ozaki Promotion of CO<sub>2</sub> assimilation by stopping of NO<sub>x</sub>, NP elimination is easy method to stop global warming and to growth International Journal of Science and Research Archives 2023 08(02)295-304
- [60] Shoichiro Ozaki Law to inhibit the recycle of nitrogen and Phosphorous is inhibiting CO<sub>2</sub> assimilation and promoting global warming: This kind of law should be abolished International Journal of Scholarly Research in Science and Technology, 2023, 02(02), 008-015
- [61] Shoichiro Ozaki Stop the recycle of nitrogen Appeal Reiwa 5 gyō u 282